

SUGGESTED THREE-YEAR GRADUATION PLAN



**Integrated Health Studies - Health Sciences –
Bachelor of Science**
[EH-BS-IHS-HLSC]
College of Education, Health and Human Services
School of Health Sciences
Catalog Year: 2013–2014

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
Post-Secondary Coursework or Credit By Examination Upon Entry as a Freshman: [29 Credit Hours]					
PSYC 11762 General Psychology	3				Fulfills Kent Core Social Sciences and domestic diversity course requirement
BSCI or CHEM	8			■	See note 1 on page 2; may fulfill Kent Core Basic Sciences
Kent Core Composition	6		C		See Kent Core summary on page 2
Kent Core Humanities and Fine Arts	9				See list of Kent Core courses that can be earned through AP, CLEP, or CBE exams on page 4
Kent Core Additional	3				
Semester One: [14 Credit Hours]					
HED 14020 Introduction to Medical Terminology	3			■	
IHS 10000 Careers in Health Sciences and Human Services	3			■	
MATH 11010 Algebra for Calculus	3				Fulfills Kent Core Mathematics and Critical Reasoning
BSCI or CHEM	4			■	See note 1 on page 2; may fulfill Kent Core Basic Sciences
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer students with 25 credits
Semester Two: [16 Credit Hours]					
ATTR/EXSC 25057 Human Anatomy and Physiology I	3			■	See note 2 on page 2
MATH 11022 Trigonometry	3				Fulfills Kent Core Additional
PSYC 21621 Quantitative Methods in Psychology I	3			■	
BSCI or CHEM	4			■	See note 1 on page 2; may fulfill Kent Core Basic Sciences
General Electives (upper division)	3	■			Should fulfill diversity requirement
Semester Three: [16 Credit Hours]					
ATTR/EXSC 25058 Human Anatomy and Physiology II	3			■	See note 2 on page 2
PHY 13001 General College Physics I	4				Fulfills Kent Core Additional
PHY 13021 General College Physics Laboratory I	1				Fulfills Kent Core Basic Sciences
PSYC 41581 Health Psychology (3) or SOC 42563 Sociology in Health and Health Care (3)	3			■	
General Electives (upper division)	5	■			Should fulfill diversity requirement
Semester Four: [16 Credit Hours]					
ATTR/EXSC 35054 Biomechanics	3	■		■	
NURS 45010 Health Care Policy and Delivery Systems or NURS 46000 Health Care Policy	3	■		■	NURS 46000 Regional Campus only
PHY 13002 General College Physics II	4				Fulfills Kent Core Basic Sciences
PHY 13022 General College Physics Laboratory II	1				
General Electives (upper division)	5	■			Should fulfill diversity requirement
Semester Five: [15 Credit Hours]					
Note: apply for graduation					
SPA 44111 Neural Processes	3	■		■	Offered in fall only
CHEM 20481 Basic Organic Chemistry I	4				
IHS 40091 Seminar for Practicum in Integrated Health Studies	2	■		■	
IHS 44092 Practicum in Integrated Health Studies	3-10			■	Fulfills experiential learning requirement
Health Science Elective (lower or upper division)	3			■	See note 3 on page 2

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Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Six: [15 Credit Hours]					
IHS 44091 Professional Seminar in Integrated Health Studies	3	■	C	■	Fulfills writing-intensive course requirements
IHS 44010 Research Design and Statistical Methods for the Health Professions	3	■		■	
EXSC 45080 Physiology of Exercise	3	■		■	
PHIL 40005 Health Care Ethics	3	■		■	
Health Science Elective (upper division)	3	■		■	See note 3 below

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
121	39	36	Kent Core or General Elective / PSYC 11762	IHS 44091	IHS 44092	2.250	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>	Fulfilled in this major with any of these: BSCI 10110, BSCI 10120, CHEM 10060, CHEM 10061, PHY 13021, PHY 13002, PHY 13022	0
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category</i>	May fulfill global diversity requirement	9
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	0
Social Sciences (6 credit hours)	3 credits fulfilled in this major with PSYC 11762	3
Additional (6 credit hours) <i>Must be selected from two Kent Core categories</i>	Fulfilled in this major with PHY 13001 and MATH 11022	0

Note 1: BSCI and CHEM courses (16 credit hours)

BSCI 10110 Biological Diversity ^B	4	CHEM 10060 General Chemistry I* ^B	4
BSCI 10120 Biological Foundations ^B	4	CHEM 10061 General Chemistry II* ^B	4

*Students who plan to pursue graduate studies should take chemistry laboratories CHEM 10062 and 10063.
^B Fulfills Kent Core Basic Sciences

Note 2: Students who have successfully completed BSCI 20020 Biological Structure and Function may use that course in place of ATTR/EXSC 25058 Human Anatomy and Physiology II. They are still required to take ATTR/EXSC 25057 Human Anatomy and Physiology I. Students who have successfully completed BSCI 11010/11020 Anatomy and Physiology in Allied Health I/II may use those courses in place of ATTR/EXSC 25057/25058 Human Anatomy and Physiology I/II.

Note 3: Health science electives (6 credit hours), choose from the following

ATTR 45040 Pathology and Pharmacology for Allied Health Providers	3	EXSC 35075 Exercise Programming	3
BSCI 20021 Basic Microbiology	3	HDFS 44021 Family Intervention Across the Lifespan	3
BSCI 30030 Human Physiology	4	NURS 20950 Human Growth and Development	3
BSCI 30050 Human Genetics	3	NUTR 33512 Nutrition	3
BSCI 30140 Cell Biology	4	PEP 25033 Lifespan Motor Development	3
CHEM 30284 Introduction to Biological Chemistry	4	PSYC 40111 Abnormal Psychology	3

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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 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 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 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 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.

Kent Core Courses That Can Be Earned Through Exams

LEGEND: G – Global Diversity; D – Domestic Diversity; LAB – Laboratory

				Minimum AP score	Minimum CLEP score	Minimum CBE score
COMPOSITION						
ENG	11011	College Writing I (3)		3	50	C
ENG	21011	College Writing II (3)				C
MATHEMATICS AND CRITICAL REASONING						
CS	10051	Introduction to Computer Science (4)		3		
MATH	11010	Algebra for Calculus (3)			50	
MATH	11012	Intuitive Calculus (3)				C
MATH	12001	Algebra and Trigonometry (5)			50	C
MATH	12002	Analytic Geometry and Calculus I (5)		3	50	C
MATH	14001	Basic Mathematical Concepts I (4)				C
MATH	14002	Basic Mathematical Concepts II (4)				C
HUMANITIES AND FINE ARTS						
Humanities in Arts and Sciences						
ENG	22073	Major Modern Writers: British and United States (3)		3	50	
G HIST	11050	World History: Ancient and Medieval (3)		3		C
G HIST	11051	World History: Modern (3)		3		C
D HIST	12070	History of the United States: The Formative Period (3)		3	50	C
D HIST	12071	History of the United States: The Modern Period (3)		3	50	C
HIST	1xxxx	European History (3)		3		
Fine Arts						
ARCH	10012	Survey of Architectural History II (3)				C
ARTH	22006	Art History I: Ancient and Medieval Art (3)		3		
MUS	22111	The Understanding of Music (3)				C
G MUS	22121	Music as a World Phenomenon (3)				C
SOCIAL SCIENCES						
ECON	22060	Principles of Microeconomics (3)		3	50	C
ECON	22061	Principles of Macroeconomics (3)		3	50	C
GEOG	10160	Introduction to Geography (3)				C
G GEOG	17063	World Geography (3)				C
D GEOG	17064	Geography of the United States and Canada (3)				C
G GEOG	22061	Human Geography (3)		3		
G POL	10004	Comparative Politics (3)		3		
D POL	10100	American Politics (3)		3	50	
D PSYC	11762	General Psychology (3)		3	50	
D PSYC	20651	Child Psychology (3)			50	
D SOC	12050	Introduction to Sociology (3)			50	
BASIC SCIENCES						
BSCI	10001	Human Biology (3)				C
BSCI	10002	Life on Planet Earth (3)				C
BSCI	10110	Biological Diversity (4)		3	50	
BSCI	10120	Biological Foundations (4)		4	50	
LAB BSCI	11010	Anatomy and Physiology I for Allied Health (3)				C
LAB BSCI	11020	Anatomy and Physiology II for Allied Health (3)				C
BSCI	20020	Biological Structure and Function (5)				C
CHEM	10030	Chemistry in Our World (3)				C
CHEM	10050	Fundamentals of Chemistry (3)				C
CHEM	10052	Introduction to Organic Chemistry (2)				C
CHEM	10054	General and Elementary Organic Chemistry (5)				C
CHEM	10060	General Chemistry I (4)		3	50	C
CHEM	10061	General Chemistry II (4)		5	50	C
LAB CHEM	10062	General Chemistry I Laboratory (1)		4		
GEOL	11040	Earth Dynamics (3)				C
GEOL	11042	Earth History (3)				C
GEOL	21062	Environmental Geology (3)		3		C
GEOL	21080	Oceanography (3)				C
PHY	11030	Seven Ideas that Shook the Universe (3)				C
PHY	12201	Technical Physics I (3)				C
PHY	12202	Technical Physics II (3)				C
PHY	13001	General College Physics I (4)		3		C
PHY	13002	General College Physics II (4)		3		C
PHY	13011	College Physics I (2)				C
PHY	13012	College Physics II (2)				C
LAB PHY	13021	General College Physics Laboratory I (1)		3		
LAB PHY	13022	General College Physics Laboratory II (1)		3		
PHY	21040	Physics in Entertainment and the Arts (3)				C
PHY	21430	Frontiers in Astronomy (3)				C
PHY	23101	General University Physics I (5)		3		C
PHY	23102	General University Physics II (5)		3		C

Visit the following websites for more information on the AP (www.kent.edu/honors/academicsandresearch/advanced-placement.cfm); CLEP (www.kent.edu/career/testing/clep.cfm); and CBE (www.kent.edu/registrar/info/cbe.cfm) at Kent State. Visit www.kent.edu/catalog/kent-core for the full Kent Core course list.

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