

# PUBLIC HEALTH - B.S.P.H.

## College of Public Health

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## Description

### Admission to the Environmental Health Sciences Concentration and the Environmental and Occupational Health and Safety Concentration has been temporarily suspended as of fall 2018.

The Bachelor of Science in Public Health degree in Public Health broadly prepares students to enter the workforce as a public health professional or to enter an advanced program of study. Students explore the five disciplines of public health: biostatistics, environmental health, epidemiology, health policy and management and the social and behavioral sciences through general coursework.

The Public Health major comprises the following concentrations:

- The **Allied Health** concentration seeks to augment the career portfolio of the allied health professional or aspiring student. Students who are interested in a generalist focus in public health or interested in moving to a professional degree (accelerated nursing) or technical allied health degree (respiratory care, radiologic technology, occupational/physical therapy assisting, etc.) are encouraged to pursue this path. Students may currently hold or may be actively pursuing a state licensure in an allied health field and may be eligible to receive a maximum 12 credit hours of upper division credit for their prior experience and demonstrated competency in select areas. Students without a state licensure may still pursue this concentration but will complete 12 hours of coursework in allied health specific areas. Students in this concentration will be exposed to broad areas of public health including epidemiology, biostatistics, environmental health, global health and health policy; thus, preparing students to meet the increased demands for a trained and educated public health workforce.
- The **Clinical Trials Research** concentration focuses on training students in the epidemiology methods used in clinical research. The curriculum provides students a thorough understanding of the management of research studies, the scientific literature related to drugs, medical devices and other new therapies, and the federal regulations related to conducting clinical trials. Students are prepared to design and answer research questions, collect and manage data and communicate research findings to both scientific and lay audiences. An internship experience provides necessary experience in a clinical research setting. Potential places of employment for graduates include hospitals, contract research organizations, medical schools and pharmaceutical companies where graduates assist with and manage clinical research studies.
- The **Community Health Outreach and Development** concentration focuses on identifying and exploring ways to influence the multi-level determinants of population health and health behaviors, from a perspective that prioritizes health equity and social justice. Approaches focus on community- and system-level strategies to promote health and healthy behaviors among populations and eliminate health disparities through media, policy and education initiatives. Career options include the public sector, social services, non-profit agencies and other community-based health promotion and advocacy efforts. Graduates are prepared to assist with developing, implementing and coordinating public health interventions that promote community health and organize diverse communities around issues related to health and health behavior.
- The **Environmental Health Science** concentration prepares students to help reduce the burden of human illness and injury that can result from natural and man-made environmental exposures. The program trains students for a challenging, dynamic and interdisciplinary career focused on public environmental health and safety risks associated with human activities. Students use their basic sciences and environmental health and safety training to learn how to solve problems in their community and the workplace. They learn risk assessment principles and control measures to correct problems and effect policy change, along with the administration and enforcement of environmental, public and occupational health and safety laws. In addition to classroom lectures, the program includes laboratory and field experiences. Graduates typically enter the environmental health and safety workforce at local, state and national levels. They also work in academic institutions, private industry and for international health organizations.
- The **Environmental and Occupational Health and Safety** concentration provides students with a working knowledge of the source, nature and scope of conditions that are or could be hazardous to the employer, employee and the environment. Topics covered in the program include toxicology, occupational safety, industrial hygiene, accident investigation, fire prevention, emergency planning and response and environmental concerns. Students must participate in at least two internship, cooperative or cumulative experiences. Students learn the use of risk assessment along with the administration and enforcement of environmental, health and safety regulations. Graduates are prepared for employment as a safety, health, and environmental professional.
- The **Global Health** concentration educates students in identifying and working to address the critical public health and human needs of diverse, underserved and vulnerable populations locally and globally. Students learn the need for multidisciplinary (biological and social sciences) approaches and cooperation to address the major global public health problems. In addition, they have the opportunity to focus on a specific aspect of global health, e.g. HIV/AIDS, health policy, health disparities, health education, environmental health, nutrition. Graduates are prepared to work at entry level positions in public health with local, regional, national or international public health agencies in both public and private sectors. Students who pursue this concentration are required to participate in a study abroad experience and complete four courses (at the elementary and intermediate levels) of either Arabic, Chinese, French, Russian or Spanish
- The **Health Services Administration** concentration establishes a foundation for graduate work in health policy and management. Students analyze national and local public health infrastructure, evaluate the effectiveness and efficiency of health care delivery and explore the legal and ethical issues of health care administration. Graduates enter the health care workforce as finance managers, compliance officers, patient navigators, insurance specialists and other health care managers. Students are encouraged to pair this concentration with a minor.
- The **Pre-Medicine, Dentistry, Osteopathy** concentration includes preparatory courses for the Medical College Admissions Test (MCAT), the Dental Admissions Test (DAT) and admission entry

into other professional schools including pharmacy, podiatry, occupational/physical therapy and physicians assistant programs. The overall curriculum—focusing on biological, social and economic determinants of health, prevention and control of diseases, introduction to biostatistics and public health research—makes this program highly desirable for admission to professional schools. The unique features of the program open new opportunities and offer competitive advantages for students seeking to enter into clinical medicine.

### Combined Degree Program - Bachelor of Science in Public Health and Master of Public Health Degrees

A formal combined degree program allows students to earn the B.S.P.H. degree (Health Services Administration concentration) and the M.P.H. degree (Health Policy and Management concentration). Qualified undergraduate students may apply by completing an application for admission to the Master of Public Health degree and securing approval from the college no later than March 1 for acceptance into the fall cohort. Students must consult with their undergraduate and faculty advisors to create a plan substituting selected master's courses for selected undergraduate courses based on approved courses. Following graduation from the B.S.P.H. degree, students' application to the M.P.H. degree may be activated for admission. Please refer to the Combined Bachelor's/Master's Degree Program policy in the Academic Policies section of the University Catalog for eligibility criteria for combined degree programs. Applicants must have completed two semesters of college composition, a college-level mathematics course, PH 10001 and PH 30033.

### Fully Offered At:

- Online (Allied Health, Clinical Trials Research, Community Health Outreach and Development, Health Services Administration concentrations only)
- Kent Campus (all concentrations)
- Trumbull Campus (Environmental and Occupational Health and Safety concentration only)

## Accreditation

The B.S.P.H. degree in Public Health is accredited by the Council on Education for Public Health (CEPH).

## Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

**Freshman Students on the Kent Campus:** The freshman admission policy on the Kent Campus is selective. Admission decisions are based upon the following: cumulative grade point average, ACT and/or SAT scores, strength of high school college preparatory curriculum and grade trends. The Admissions Office at the Kent Campus may defer the admission of students who do not meet admissions criteria but who demonstrate areas of promise for successful college study. Deferred applicants may begin their college coursework at one of seven regional campuses of Kent State University. For more information on admissions, including additional requirements for some academic programs, visit the admissions website for new freshmen.

**Freshman Students on the Regional Campuses:** Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Regional Academic Center in Twinsburg, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

**English Language Proficiency Requirements for International Students:** All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE score, or by completing the ESL level 112 Intensive Program. For more information on international admission, visit the Office of Global Education's admission website.

**Transfer, Transitioning and Former Students:** For more information about admission criteria for transfer, transitioning and former students, please visit the admissions website.

## University Requirements

All students in a bachelor's degree program at Kent State University must complete the following university requirements for graduation.

**NOTE:** University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

Destination Kent State: First Year Experience	1
Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.	
Diversity Domestic/Global (DIVD/DIVG)	2 courses
Students must successfully complete one domestic and one global course, of which one must be from the Kent Core.	
Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 (or 42)
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate. Students in a B.A. and/or B.S. degree in the College of Arts and Sciences must complete 42 upper-division credit hours.	
Total Credit Hour Requirement	120
Some bachelor's degrees require students to complete more than 120 credit hours.	

## Kent Core Requirements

Kent Core Composition (KCMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7
Kent Core Additional (KADL)	6
<b>Total Credit Hours:</b>	<b>36-37</b>

# Program Requirements

## Major Requirements

Code	Title	Credit Hours
<b>Major Requirements (courses count in major GPA)</b>		
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30004	PUBLIC HEALTH RESEARCH <sup>1</sup>	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
PH 30007	PREVENTION AND CONTROL OF DISEASES <sup>1</sup>	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING <sup>1</sup>	3
PH 44000	HEALTH DISPARITIES (DIVD) (WIC) (min C grade) <sup>2</sup>	3
PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Major Electives, choose from the following:		9
PH 10000	EXPLORING CAREERS IN PUBLIC HEALTH	
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	
PH 22001	PLAGUES AND PANDEMICS: HOW INFECTION SHAPED CULTURE AND HISTORY	
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	
PH 30009	ENVIRONMENTAL HEALTH AND SAFETY REGULATIONS AND POLICY	
PH 30012	COMMUNICABLE DISEASES	
PH 30015	UNITED STATES HEALTH CARE SYSTEM	
PH 30020	FUNDAMENTALS OF HEALTH PRIVACY	
PH 30195	SPECIAL TOPICS IN PUBLIC HEALTH	
PH 32005	EMERGING ISSUES IN COMMUNITY HEALTH	
PH 35001	COMMUNITY-BASED PUBLIC HEALTH PRACTICE	
PH 35005	ADVOCACY AND ACTIVISM IN PUBLIC HEALTH	
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	
PH 40013	CLINICAL EPIDEMIOLOGY BASICS	
PH 40014	CLINICAL TRIALS MANAGEMENT	
PH 40092	INTERNATIONAL HEALTH PRACTICUM (ELR)	
PH 40109	LABORATORY SAFETY AND HYGIENE	
PH 40195	SPECIAL TOPICS IN PUBLIC HEALTH	
PH 40196	INDIVIDUAL INVESTIGATION IN PUBLIC HEALTH	
PH 40200	THE BUILT ENVIRONMENT	
PH 43014	PUBLIC HEALTH AND MASS INCARCERATION	
PH 44004	GLOBAL HEALTH IMMERSION: LATIN AMERICA	
PH 44002	GLOBAL HEALTH IMMERSION: GENEVA, SWITZERLAND	
PH 44003	ENVIRONMENTAL HEALTH ISSUES IN LOW- AND MIDDLE-INCOME COUNTRIES	
PH 44005	LEGAL ASPECTS OF HEALTH SERVICES MANAGEMENT	
PH 44020	PUBLIC HEALTH ETHICS IN PRACTICE, POLICY AND RESEARCH	
PH 44092	INTERNSHIP IN PUBLIC HEALTH (ELR)	

### Additional Requirements (courses do not count in major GPA)

UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Kent Core Composition		6
Kent Core Humanities and Fine Arts (minimum one course from each)		9
Kent Core Social Sciences (must be from two disciplines) <sup>3</sup>		6
<b>Concentrations</b>		
Choose from the following:		56-58
Allied Health		
Clinical Trials Research		
Community Health Outreach and Development		
Environmental Health Science		
Environmental and Occupational Health and Safety		
Global Health		
Health Services Administration		
Pre-Medicine, Dental, Osteopathy		
Minimum Total Credit Hours:		120-122

- <sup>1</sup> Students in the Nursing major may substitute NURS 40020 for PH 30007, NURS 40045 for PH 30033 and NURS 40872 for PH 30004.
- <sup>2</sup> A minimum C grade must be earned to fulfill the writing-intensive requirement.
- <sup>3</sup> Recommended for students pursuing Global Health concentration: GEOG 22061, PSYC 11762, SOC 12050.

## Allied Health Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
State Licensure or Concentration Electives, choose from the following:		12
<sup>1</sup>		
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 20021	BASIC MICROBIOLOGY	
or BSCI 30171	GENERAL MICROBIOLOGY	
BSCI 21020	ANATOMY AND PHYSIOLOGY II	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
BSCI 30050	HUMAN GENETICS	
or BSCI 30156	ELEMENTS OF GENETICS	
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	
or CHEM 10055	MOLECULES OF LIFE (KBS)	
or CHEM 10060	GENERAL CHEMISTRY I (KBS)	
HED 14020	MEDICAL TERMINOLOGY	
NURS 20950	HUMAN GROWTH AND DEVELOPMENT FOR HEALTH PROFESSIONALS	
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	
PH 44015	PUBLIC HEALTH MANAGEMENT	
PH 44025	PRINCIPLES OF PUBLIC HEALTH LEADERSHIP	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	
SOC 12050	INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)	
<b>Additional Requirements (courses do not count in major GPA)</b>		
Mathematics Elective, choose from the following:		3-5
CS 10051	INTRODUCTION TO COMPUTER SCIENCE (KMCR)	
MATH 10041	INTRODUCTORY STATISTICS (KMCR)	

MATH 10051	QUANTITATIVE REASONING (KMCR)	
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (KMCR)	
MATH 10774	ALGEBRA FOR CALCULUS STRETCH II (KMCR)	
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	
MATH 11008	EXPLORATIONS IN MODERN MATHEMATICS (KMCR)	
MATH 11009	MODELING ALGEBRA (KMCR)	
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
MATH 11012	INTUITIVE CALCULUS (KMCR)	
MATH 11022	TRIGONOMETRY (KMCR)	
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	
MATH 12011	CALCULUS WITH PRECALCULUS I (KMCR)	
MATH 12012	CALCULUS WITH PRECALCULUS II (KMCR)	
MATH 14001	BASIC MATHEMATICAL CONCEPTS I (KMCR)	
MATH 14002	BASIC MATHEMATICAL CONCEPTS II (KMCR)	
Kent Core Basic Sciences (must include one laboratory)		6-7
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		29
Minimum Total Credit Hours:		56

<sup>1</sup> At their time of admission, a student must submit a copy of their state licensure to an academic advisor in the College of Public Health. State licensure must be valid through the student's graduation term.

## Clinical Trials Research Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
PH 40013	CLINICAL EPIDEMIOLOGY BASICS	3
PH 40014	CLINICAL TRIALS MANAGEMENT	3
PH 40015	SCIENTIFIC WRITING FOR CLINICAL RESEARCH	3
PH 40017	PHARMACOEPIDEMIOLOGY	3
PH 40018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	3
PH 43092	INTERNSHIP IN CLINICAL TRIALS RESEARCH (ELR)	3-6
or PH 40196	INDIVIDUAL INVESTIGATION IN PUBLIC HEALTH	
or HONR 40099	SENIOR HONORS THESIS/PROJECT (ELR)	
or PH 40191	SEMINAR IN PUBLIC HEALTH	
<b>Additional Requirements (courses do not count in major GPA)</b>		
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
or CHEM 10060	GENERAL CHEMISTRY I (KBS)	
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
or MATH 10773	ALGEBRA FOR CALCULUS STRETCH I	
or MATH 10774	ALGEBRA FOR CALCULUS STRETCH II (KMCR)	
or MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	
Biological Sciences Electives, choose from the following:		4-5
BSCI 10001 & BSCI 10003	HUMAN BIOLOGY (KBS) and LABORATORY EXPERIENCE IN BIOLOGY (KBS) (KLAB)	
BSCI 10110	BIOLOGICAL DIVERSITY (KBS) (KLAB)	

BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		19
Minimum Total Credit Hours:		53-56

## Community Health Outreach and Development Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
PH 34001	PUBLIC HEALTH INTERVENTIONS I	3
PH 34002	PUBLIC HEALTH INTERVENTIONS II	3
PH 35001	COMMUNITY-BASED PUBLIC HEALTH PRACTICE	3
PH 35005	ADVOCACY AND ACTIVISM IN PUBLIC HEALTH	3
PH 45092	SERVICE LEARNING PRACTICUM IN COMMUNITY-BASED PUBLIC HEALTH (ELR)	3
or PH 44092	INTERNSHIP IN PUBLIC HEALTH (ELR)	
<b>Additional Requirements (courses do not count in major GPA)</b>		
Mathematics Elective, choose from the following:		3-5

MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (KMCR)	
MATH 10774	ALGEBRA FOR CALCULUS STRETCH II (KMCR)	
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	
MATH 11009	MODELING ALGEBRA (KMCR)	
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
MATH 11012	INTUITIVE CALCULUS (KMCR)	
MATH 11022	TRIGONOMETRY (KMCR)	
MATH 12011	CALCULUS WITH PRECALCULUS I (KMCR)	
MATH 12012	CALCULUS WITH PRECALCULUS II (KMCR)	
MATH 14001	BASIC MATHEMATICAL CONCEPTS I (KMCR)	
MATH 14002	BASIC MATHEMATICAL CONCEPTS II (KMCR)	
Kent Core Basic Sciences (must include one laboratory)		6-7
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		26
Minimum Total Credit Hours:		56

## Environmental Health Science Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
PH 42092	ENVIRONMENTAL, OCCUPATIONAL, HEALTH AND SAFETY INTERNSHIP (ELR)	4
Environmental Health Science Electives, choose from the following:		
PH 30009	ENVIRONMENTAL HEALTH AND SAFETY REGULATIONS AND POLICY	
PH 30101	SOLID AND HAZARDOUS WASTE MANAGEMENT	
PH 30102	AIR QUALITY AND POLLUTION CONTROL	
PH 30103	FOOD PROTECTION	
PH 30105	WATER AND WASTEWATER MANAGEMENT	
PH 30106	ENVIRONMENTAL TOXICOLOGY	

PH 41000	ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT	
<b>Additional Requirements (courses do not count in major GPA)</b>		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
BSCI 30171	GENERAL MICROBIOLOGY	4
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 20481	BASIC ORGANIC CHEMISTRY I	4
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
GEOL 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
MATH 11022	TRIGONOMETRY (KMCR)	3-5
PHY 13001 & PHY 13021	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	5
or PHY 23101	GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	

Minimum Total Credit Hours: 56

### Environmental and Occupational Health and Safety Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
EVHS 30002	ENVIRONMENTAL ISSUES II	3
EVHS 30020	HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE	4
EVHS 40006	FIRE PREVENTION AND CONTROL	3
TECH 43080	INDUSTRIAL AND ENVIRONMENTAL SAFETY	3
<b>Additional Requirements (courses do not count in major GPA)</b>		
BSCI 10110	BIOLOGICAL DIVERSITY (KBS) (KLAB)	4
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
CHEM 10052	INTRODUCTION TO ORGANIC CHEMISTRY (KBS)	2
EVHS 10004	TOXICOLOGY	3
EVHS 10010	INDUSTRIAL HYGIENE I	4
EVHS 20001	ENVIRONMENTAL LAW	3
EVHS 20008	ENVIRONMENTAL SAFETY ADMINISTRATION	3
EVHS 20092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP I (ELR)	3
EVHS 21092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP II (ELR)	3
GEOG 17063	WORLD GEOGRAPHY (DIVG) (KSS)	3
or GEOG 21062	PHYSICAL GEOGRAPHY (KBS)	
GEOL 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
MATH 11009	MODELING ALGEBRA (KMCR)	4

Minimum Total Credit Hours: 58

### Global Health Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
PH 44003	ENVIRONMENTAL HEALTH ISSUES IN LOW- AND MIDDLE-INCOME COUNTRIES	3
Public Health Electives, choose from the following:		6
PH 40092	INTERNATIONAL HEALTH PRACTICUM (ELR)	
PH 41092	FIELD EXPERIENCE IN MEETING THE BASIC HEALTH AND HUMAN NEEDS (ELR)	
PH 44002	GLOBAL HEALTH IMMERSION: GENEVA, SWITZERLAND	
PH 44004	GLOBAL HEALTH IMMERSION: LATIN AMERICA	
Global Health Electives, choose from the following:		6
ANTH 48250	MEDICAL ANTHROPOLOGY (DIVG)	
COMM 35852	INTERCULTURAL COMMUNICATION (DIVG)	
GEOG 31070	POPULATION AND THE ENVIRONMENT	
GEOG 42052	MEDICAL GEOGRAPHY	
HED 47070	AIDS: ISSUES, EDUCATION AND PREVENTION	
PHIL 40005	HEALTH CARE ETHICS	
POL 30301	INTRODUCTION TO PUBLIC ADMINISTRATION	
POL 30511	PROBLEMS OF INTERNATIONAL ORGANIZATION	
POL 30810	POLITICS OF THE GLOBAL ECONOMY	
POL 40450	HEALTH CARE AND SOCIAL POLICY	
POL 40470	WOMEN, POLITICS AND POLICY (DIVD)	
<b>Additional Requirements (courses do not count in major GPA)</b>		
Mathematics Elective, choose from the following:		3-5
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (KMCR)	
MATH 10774	ALGEBRA FOR CALCULUS STRETCH II (KMCR)	
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	
MATH 11009	MODELING ALGEBRA (KMCR)	
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
MATH 11012	INTUITIVE CALCULUS (KMCR)	
MATH 11022	TRIGONOMETRY (KMCR)	
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	
MATH 12011	CALCULUS WITH PRECALCULUS I (KMCR)	
MATH 12012	CALCULUS WITH PRECALCULUS II (KMCR)	
MATH 14001	BASIC MATHEMATICAL CONCEPTS I (KMCR)	
MATH 14002	BASIC MATHEMATICAL CONCEPTS II (KMCR)	
Arabic, Chinese, French, Russian or Spanish Language (Elementary I and II and Intermediate I and II)		14-20
Kent Core Basic Sciences (must include one laboratory) <sup>1</sup>		6-7
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours) <sup>2</sup>		12
Minimum Total Credit Hours:		56

<sup>1</sup> Recommended courses: GEOG 22061, PSYC 11762, SOC 12050.

<sup>2</sup> Minimum 12 credit hours of study abroad semester courses count as general elective.



## Health Services Administration Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
PH 30015	UNITED STATES HEALTH CARE SYSTEM	3
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44005	LEGAL ASPECTS OF HEALTH SERVICES MANAGEMENT	3
PH 44010	PUBLIC HEALTH PLANNING AND FINANCE	3
PH 44015	PUBLIC HEALTH MANAGEMENT	3
PH 44020	PUBLIC HEALTH ETHICS IN PRACTICE, POLICY AND RESEARCH	3
PH 44025	PRINCIPLES OF PUBLIC HEALTH LEADERSHIP	3
Health Services Elective, choose from the following:		3
PH 20015	ZOMBIE OUTBREAK	
PH 43014	PUBLIC HEALTH AND MASS INCARCERATION	
PH 30025	FUNDAMENTALS OF HEALTHCARE COMPLIANCE	
PH 30020	FUNDAMENTALS OF HEALTH PRIVACY	
PH 40195	SPECIAL TOPICS IN PUBLIC HEALTH	
PH 44092	INTERNSHIP IN PUBLIC HEALTH (ELR)	
<b>Additional Requirements (courses do not count in major GPA)</b>		
Mathematics Elective, choose from the following:		3-5
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (KMCR)	
MATH 10774	ALGEBRA FOR CALCULUS STRETCH II (KMCR)	
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	
MATH 11009	MODELING ALGEBRA (KMCR)	
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
MATH 11012	INTUITIVE CALCULUS (KMCR)	
MATH 11022	TRIGONOMETRY (KMCR)	
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	
MATH 12011	CALCULUS WITH PRECALCULUS I (KMCR)	
MATH 12012	CALCULUS WITH PRECALCULUS II (KMCR)	
MATH 14001	BASIC MATHEMATICAL CONCEPTS I (KMCR)	
MATH 14002	BASIC MATHEMATICAL CONCEPTS II (KMCR)	
Kent Core Basic Sciences (must include one laboratory)		6-7
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		17
Minimum Total Credit Hours:		56

## Pre-Medicine, Dental, Osteopathy Concentration Requirements

Code	Title	Credit Hours
<b>Concentration Requirements (courses count in major GPA)</b>		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1

CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 20481	BASIC ORGANIC CHEMISTRY I	4
or CHEM 30481	ORGANIC CHEMISTRY I	
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
Concentration Electives, choose from the following:		24-43
ATTR 25057	HUMAN ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
ATTR 25058	HUMAN ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 10110	BIOLOGICAL DIVERSITY (KBS) (KLAB)	
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
BSCI 21020	ANATOMY AND PHYSIOLOGY II	
BSCI 30130	HUMAN PHYSIOLOGY	
BSCI 30140	CELL BIOLOGY	
BSCI 30156	ELEMENTS OF GENETICS	
BSCI 30171	GENERAL MICROBIOLOGY	
BSCI 40430	ANIMAL PHYSIOLOGY	
CHEM 30284	INTRODUCTORY BIOLOGICAL CHEMISTRY	
CHEM 30476	ORGANIC CHEMISTRY LABORATORY II	
CHEM 40248	ADVANCED BIOLOGICAL CHEMISTRY	
CHEM 20482	BASIC ORGANIC CHEMISTRY II	
or CHEM 30482	ORGANIC CHEMISTRY II	
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	
GERO 14029	INTRODUCTION TO GERONTOLOGY (DIVD) (KSS)	
HED 14020	MEDICAL TERMINOLOGY	
HONR 40197	SENIOR COLLOQUIUM	
MATH 11022	TRIGONOMETRY (KMCR)	
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	
or MATH 12021	CALCULUS FOR LIFE SCIENCES	
MATH 12022	PROBABILITY AND STATISTICS FOR LIFE SCIENCES	
or MATH 30011	BASIC PROBABILITY AND STATISTICS	
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	
PEP 25033	LIFESPAN MOTOR DEVELOPMENT	
PHIL 21001	INTRODUCTION TO ETHICS (DIVG) (KHUM)	
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	
& PHY 13021	and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	
or PHY 23101	GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	
PHY 13002	GENERAL COLLEGE PHYSICS II (KBS)	
& PHY 13022	and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)	
or PHY 23102	GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	
SOC 12050	INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)	

*Additional Requirements (courses do not count in major GPA)*

General Electives	15
Minimum Total Credit Hours:	57

<sup>1</sup> CHEM 30482 is highly recommended as an additional course for those students planning to take the Medical College Admission Test (MCAT).

## Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

## Roadmaps

- Allied Health Concentration
- Clinical Trials Research Concentration
- Community-Based Public Health Concentration
- Environmental Health Science Concentration
- Environmental and Occupational Health and Safety Concentration
- Global Health Concentration
- Health Promotion and Education Concentration
- Health Services Administration Concentration
- Pre-Medicine, Dental, Osteopathy Concentration

### ALLIED HEALTH CONCENTRATION

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester Prerequisite	Credits
! State Licensure or Concentration Electives	12
Credit Hours	12
<b>Semester One</b>	
PH 10001 INTRODUCTION TO PUBLIC HEALTH	3
UC 10097 DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Mathematics Elective	3
Kent Core Requirement	3
Kent Core Requirement	3
Kent Core Requirement	3
Credit Hours	16
<b>Semester Two</b>	
PH 10002 INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
Kent Core Requirement	3
Kent Core Requirement	3
Kent Core Requirement	3
General Elective	3
Credit Hours	15
<b>Semester Three</b>	
! PH 20001 ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005 SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Kent Core Requirement	3
Kent Core Requirement	3
Kent Core Requirement	3
Credit Hours	15
<b>Semester Four</b>	
! PH 30007 PREVENTION AND CONTROL OF DISEASES	3
PH 30033 PUBLIC HEALTH POLICY AND DECISION-MAKING	3
Kent Core Requirement	3
Kent Core Requirement	3
General Elective	2
Credit Hours	14
<b>Semester Five</b>	
! PH 30002 INTRODUCTORY BIostatISTICS	3
PH 30006 INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
Major Elective	3

General Elective	3
Credit Hours	12
<b>Semester Six</b>	
! PH 30004 PUBLIC HEALTH RESEARCH	3
Major Elective	3
General Electives	6
Credit Hours	12
<b>Semester Seven</b>	
PH 44000 HEALTH DISPARITIES (DIVD) (WIC)	3
General Electives	9
Credit Hours	12
<b>Semester Eight</b>	
PH 49000 CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Major Elective	3
General Electives	6
Credit Hours	12
Minimum Total Credit Hours:	120



### Clinical Trials Research Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
or	or ALGEBRA FOR CALCULUS (KMCR)	
MATH 11010		
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Biological Sciences elective		4-5
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		17
Semester Two		
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
Choose from the following:		3
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	
CHEM 10055	MOLECULES OF LIFE (KBS)	
CHEM 10060	GENERAL CHEMISTRY I (KBS)	
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Three		
! PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Kent Core Requirement		3
Kent Core Requirement		3
Major Elective		3
Credit Hours		15
Semester Four		
PH 30002	INTRODUCTORY BIOSTATISTICS	3
! PH 30007	PREVENTION AND CONTROL OF DISEASES	3
! PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Five		
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
PH 40013	CLINICAL EPIDEMIOLOGY BASICS	3
PH 40014	CLINICAL TRIALS MANAGEMENT	3
PH 40015	SCIENTIFIC WRITING FOR CLINICAL RESEARCH	3
General Elective		3
Credit Hours		15
Semester Six		
PH 30004	PUBLIC HEALTH RESEARCH	3
PH 40017	PHARMACOEPIDEMIOLOGY	3
Major Elective		3
General Elective		6
Credit Hours		15

Third Summer Term		Credits
PH 44092	INTERNSHIP IN PUBLIC HEALTH (ELR)	6
or PH 40196	or INDIVIDUAL INVESTIGATION IN PUBLIC HEALTH	
or PH 40191	or SEMINAR IN PUBLIC HEALTH	
or HONR 40099	or SENIOR HONORS THESIS/PROJECT (ELR)	
Credit Hours		6
Semester Seven		
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
General Electives		9
Credit Hours		12
Semester Eight		
PH 40018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	3
PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Major Elective		3
General Electives		1
Credit Hours		10
Minimum Total Credit Hours:		120

## Community Health Outreach and development Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
	Mathematics elective	3
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		16
Semester Two		
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		15
Semester Three		
! PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
! PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
	Major Elective	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		15
Semester Four		
! PH 30007	PREVENTION AND CONTROL OF DISEASES	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
	Kent Core Requirement	3
	Kent Core Requirement	3
	General Elective	3
Credit Hours		15
Semester Five		
! PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
PH 34001	PUBLIC HEALTH INTERVENTIONS I	3
	General Electives	6
Credit Hours		15
Semester Six		
! PH 30004	PUBLIC HEALTH RESEARCH	3
PH 34002	PUBLIC HEALTH INTERVENTIONS II	3
PH 35001	COMMUNITY-BASED PUBLIC HEALTH PRACTICE	3
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
	General Electives	3
Credit Hours		15
Semester Seven		
PH 35005	ADVOCACY AND ACTIVISM IN PUBLIC HEALTH	3
PH 45092	SERVICE LEARNING PRACTICUM IN	3
or PH 44092	COMMUNITY-BASED PUBLIC HEALTH (ELR) or INTERNSHIP IN PUBLIC HEALTH (ELR)	
	Major Elective	3

General Electives		6
Credit Hours		15
Semester Eight		
! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
	Major Elective	3
General Electives		8
Credit Hours		14
Minimum Total Credit Hours:		120

## Environmental Health Science Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

<b>Semester One</b>		<b>Credits</b>
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
! CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
! CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
MATH 11022	TRIGONOMETRY (KMCR)	3
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Credit Hours		16
<b>Semester Two</b>		
! CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
! CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		14
<b>Semester Three</b>		
CHEM 20481	BASIC ORGANIC CHEMISTRY I	4
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
GEOL 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Credit Hours		14
<b>Semester Four</b>		
! BSCI 30171	GENERAL MICROBIOLOGY	4
! PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
! PH 30007	PREVENTION AND CONTROL OF DISEASES	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
Kent Core Requirement		3
Credit Hours		16
<b>Semester Five</b>		
PH 30002	INTRODUCTORY BIostatISTICS	3
! PHY 13001 & PHY 13021 or PHY 23101	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	5
! Environmental Health Sciences electives		6
Credit Hours		14
<b>Semester Six</b>		
PH 30004	PUBLIC HEALTH RESEARCH	3
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
! Environmental Health Sciences electives		6
Major Elective		3
Credit Hours		15
<b>Third Summer Term</b>		
PH 42092	ENVIRONMENTAL, OCCUPATIONAL, HEALTH AND SAFETY INTERNSHIP (ELR)	4
Credit Hours		4

### Semester Seven

! Environmental Health Sciences electives	3
Kent Core Requirement	3
Kent Core Requirement	3
Kent Core Requirement	3

Credit Hours 12

### Semester Eight

! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Major Elective		6
! Environmental Health Sciences electives		3
Kent Core Requirement		3

Credit Hours 15

Minimum Total Credit Hours: 120

## Environmental and Occupational Health and Safety Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
EVHS 10004	TOXICOLOGY	3
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
MATH 11009	MODELING ALGEBRA (KMCR)	4
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Kent Core Requirement		3
Credit Hours		17
Semester Two		
BSCI 10110	BIOLOGICAL DIVERSITY (KBS) (KLAB)	4
EVHS 10010	INDUSTRIAL HYGIENE I	4
GEOG 17063 or GEOG 21062	WORLD GEOGRAPHY (DIVG) (KSS) or PHYSICAL GEOGRAPHY (KBS)	3
Kent Core Requirement		3
Credit Hours		14
Semester Three		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
EVHS 20001	ENVIRONMENTAL LAW	3
EVHS 20008	ENVIRONMENTAL SAFETY ADMINISTRATION	3
EVHS 20092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP I (ELR)	3
Credit Hours		16
Semester Four		
CHEM 10052	INTRODUCTION TO ORGANIC CHEMISTRY (KBS)	2
EVHS 21092	ENVIRONMENTAL TECHNOLOGY INTERNSHIP II (ELR)	3
EVHS 30002	ENVIRONMENTAL ISSUES II	3
GEOL 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
PH 30007	PREVENTION AND CONTROL OF DISEASES	3
Credit Hours		14
Semester Five		
EVHS 30020	HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE	4
! PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
Credit Hours		16
Semester Six		
EVHS 40006	FIRE PREVENTION AND CONTROL	3
! PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Seven		
PH 30004	PUBLIC HEALTH RESEARCH	3

Major Elective	3	
Kent Core Requirement	3	
Kent Core Requirement	3	
Kent Core Requirement	3	
Credit Hours		15
Semester Eight		
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
TECH 43080	INDUSTRIAL AND ENVIRONMENTAL SAFETY	3
Major Elective		6
Credit Hours		15
Minimum Total Credit Hours:		122

## Global Health Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

<b>Semester One</b>		<b>Credits</b>
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Foreign Language		4-5
Mathematics Elective		3
Kent Core Requirement		3
Credit Hours		14
<b>Semester Two</b>		
! PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
! Foreign Language		4-5
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
<b>Semester Three</b>		
! PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
! Foreign Language		3-5
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
<b>Semester Four</b>		
! PH 30007	PREVENTION AND CONTROL OF DISEASES	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
! Foreign Language		3-5
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
<b>Semester Five</b>		
! PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
Global Health Elective		3
Kent Core Requirement		3
Major Elective		3
General Electives		1
Credit Hours		16
<b>Semester Six</b>		
PH 40092	INTERNATIONAL HEALTH PRACTICUM (ELR)	0-6
General Electives		9
Credit Hours		15
<b>Third Summer Term</b>		
Public Health Electives, (if PH 40092 was not taken in Semester Six) choose from the following:		0-6
PH 41092	FIELD EXPERIENCE IN MEETING THE BASIC HEALTH AND HUMAN NEEDS (ELR)	
PH 44002	GLOBAL HEALTH IMMERSION: GENEVA, SWITZERLAND	
PH 44004	GLOBAL HEALTH IMMERSION: LATIN AMERICA	
Credit Hours		0

### Semester Seven

PH 30004	PUBLIC HEALTH RESEARCH	3
PH 44003	ENVIRONMENTAL HEALTH ISSUES IN LOW- AND MIDDLE-INCOME COUNTRIES	3
Major Elective		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15

### Semester Eight

PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Major Elective		3
Global Health Elective		3
General Electives		2
Credit Hours		14
Minimum Total Credit Hours:		120





## Health Services Administration Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Mathematics Elective		3
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Two		
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Three		
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
! PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Kent Core Requirement		3
Kent Core Requirement		3
General Elective		3
Credit Hours		16
Semester Four		
! PH 30007	PREVENTION AND CONTROL OF DISEASES	3
! PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
Kent Core Requirement		3
Kent Core Requirement		3
General Electives		3
Credit Hours		15
Semester Five		
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
! PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
Major Elective		3
General Electives		3
Credit Hours		13
Semester Six		
PH 30004	PUBLIC HEALTH RESEARCH	3
PH 30015	UNITED STATES HEALTH CARE SYSTEM	3
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
PH 44020	PUBLIC HEALTH ETHICS IN PRACTICE, POLICY AND RESEARCH	3
Major Elective		3
Credit Hours		15
Semester Seven		
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44010	PUBLIC HEALTH PLANNING AND FINANCE	3
PH 44015	PUBLIC HEALTH MANAGEMENT	3

PH 44025	PRINCIPLES OF PUBLIC HEALTH LEADERSHIP	3
Health Services Elective		3
General Elective		3
Credit Hours		16
Semester Eight		
! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
PH 44005	LEGAL ASPECTS OF HEALTH SERVICES MANAGEMENT	3
Major Elective		3
General Electives		5
Credit Hours		14
Minimum Total Credit Hours:		120

## Pre Medicine, Dental, Osteopathy Concentration

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One			Credits
!	CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
!	CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
	PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
	UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
	Concentration Elective		3
	Kent Core Requirement		3
	Credit Hours		15
Semester Two			
	BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
!	CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
!	CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
	PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
	Kent Core Requirement		3
	Credit Hours		15
Semester Three			
!	CHEM 20481 or CHEM 30481	BASIC ORGANIC CHEMISTRY I or ORGANIC CHEMISTRY I	3-4
!	CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
!	PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
	PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
	Concentration Elective		4-5
	Credit Hours		15
Semester Four			
!	PH 30007	PREVENTION AND CONTROL OF DISEASES	3
	PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING	3
	Concentration Elective		10
	Credit Hours		16
Semester Five			
	PH 30002	INTRODUCTORY BIostatISTICS	3
	Concentration Elective		11
	Credit Hours		14
Semester Six			
	PH 30004	PUBLIC HEALTH RESEARCH	3
	Major Elective		3
	Concentration Elective		9
	Credit Hours		15
Semester Seven			
	PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
	Major Elective		3
	Kent Core Requirement		3
	Kent Core Requirement		3
	Kent Core Requirement		3
	Credit Hours		15
Semester Eight			
!	PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3

!	PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
	Major Elective		3
	Kent Core Requirement		3
	Kent Core Requirement		3
	Credit Hours		15
	Minimum Total Credit Hours:		120