

PUBLIC HEALTH - B.S.P.H.

College of Public Health
www.kent.edu/publichealth

Examples of Possible Careers*

Community health workers

- 15.2% much faster than the average
- 64,900 number of jobs
- \$42,000 potential earnings

Health education specialists

- 11.4% much faster than the average
- 62,200 number of jobs
- \$56,500 potential earnings

Additional Careers

- Project Coordinator (Falls under Business Operations Specialists, All Other)
- Social and Community Service Managers
- Clinical Research Associate (Falls under Clinical laboratory technologists and technicians)

Contact Information

- Assistant Dean: **Jen Miller** | jnoble@kent.edu | 330-672-6500
- Speak with an Advisor
- Chat with an Admissions Counselor

Fully Offered

- **Delivery:**
 - Fully online (Allied Health, Clinical Trials Research, Community Health Outreach and Development, Health Services Administration concentrations only)
 - In person (full program)
- **Location:**
 - Kent campus

*Note

Source of occupation titles and labor data is from the U.S. Bureau of Labor Statistics'

Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

Description

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 **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 Programs

- **Master of Public Health degree.** Students in the Health Services Administration concentration may seek early admission to the M.P.H. degree, Health Policy and Management concentration. Applicants must have completed two semesters of college composition, a college-level mathematics course, PH 10001 and PH 30033.
- **Master of Science degree in Clinical Epidemiology**

Qualified undergraduate students may apply by completing an application for admission to the master's 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' applications to the M.P.H. or M.S. 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.

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.

First-Year Students on the Kent Campus: First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the seven regional campus to begin their college coursework. For more information, visit the admissions website for first-year students.

First-Year Students on the Regional Campuses: First-year admission to Kent State's campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic

Center, is open to anyone with a high school diploma or its equivalent. Check with a regional campus admissions office to determine application requirements, as they may differ among campuses.

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, minimum 48 PTE score or minimum 100 DET score; or by completing the ESL level 112 Intensive Program. For more information, visit the admissions website for international students.

Transfer Students: For more information, visit the admissions website for transfer students.

Former Students: Former Kent State students or graduates who have not attended another college or university since Kent State may complete the reenrollment or reinstatement form on the University Registrar's website.

Program Learning Outcomes

Graduates of this program will be able to:

1. Understand the history and philosophy of public health as well as its core values, concepts and functions across the globe and in society
2. Understand the basic concepts, methods and tools of public health data collection, use and analysis and why evidence-based approaches are an essential part of public health practice
3. Understand the concepts of population health, and the basic processes, approaches and interventions that identify and address the major health-related needs and concerns of populations
4. Understand the underlying science of human health and disease, including opportunities for promoting and protecting health across the life course
5. Understand the socioeconomic, behavioral, biological, environmental and other factors that impact human health and contribute to health disparities
6. Understand the fundamental concepts and features of project implementation, including planning, assessment and evaluation
7. Understand the fundamental characteristics and organizational structures of the U.S. health system, as well as the differences between systems in other countries
8. Understand the basic concepts of legal, ethical, economic and regulatory dimensions of health care and public health policy and the roles, influences and responsibilities of the different agencies and branches of government
9. Understand the basic concepts of public health-specific communication, including technical and professional writing and the use of mass media and electronic technology

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
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.	
Total Credit Hour Requirement	120

Kent Core Requirements

Kent Core Composition (KCOMP)	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
Total Credit Hours:	36-37

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30004	PUBLIC HEALTH RESEARCH ¹	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 ¹	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION-MAKING ¹	3
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000	HEALTH DISPARITIES (DIVD) (WIC) (min C grade) ²	3
PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Public Health (PH) Electives		6
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) ³		6
Concentrations		
Choose from the following:		56

Allied Health
Clinical Trials Research
Community Health Outreach and Development
Global Health
Health Services Administration
Pre-Medicine, Dental, Osteopathy

Minimum Total Credit Hours: 120

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

Allied Health Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
State Licensure or Concentration Electives, choose from the following:		12
¹		
State Licensure in an allied health field ¹		
or		
Concentration Electives:		
Public Health (PH) Electives, choose from the following (6 credit hours):		
PH 20010	INTRODUCTION TO PUBLIC HEALTH INFORMATICS	
PH 30015	UNITED STATES HEALTH CARE SYSTEM	
PH 34001	PUBLIC HEALTH INTERVENTIONS I	
PH 34002	PUBLIC HEALTH INTERVENTIONS II	
PH 40013	CLINICAL EPIDEMIOLOGY BASICS	
PH 40014	CLINICAL TRIALS MANAGEMENT	
PH 44005	LEGAL ASPECTS OF HEALTH SERVICES MANAGEMENT	
PH 44010	PUBLIC HEALTH PLANNING AND FINANCE	
PH 44015	PUBLIC HEALTH MANAGEMENT	
PH 44020	PUBLIC HEALTH ETHICS IN PRACTICE, POLICY AND RESEARCH	
PH 44025	PRINCIPLES OF PUBLIC HEALTH LEADERSHIP	
Science Electives, choose from the following (6 credit hours):		
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)	

PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	
SOC 12050	INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)	
Additional Requirements (courses do not count in major GPA)		
Mathematics Elective, choose from the following:		3-5
CS 10051	COMPUTER SCIENCE PRINCIPLES (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 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

¹ 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
Concentration Requirements (courses count in major GPA)		
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
Public Health (PH) Upper-Division Electives (30000 or 40000 level)		6
Additional Requirements (courses do not count in major GPA)		
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 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 (ELR) (KBS) (KLAB)	
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (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:	56

Community Health Outreach and Development Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
PH 34001	PUBLIC HEALTH INTERVENTIONS I	3
PH 34002	PUBLIC HEALTH INTERVENTIONS II	3
PH 35001	COMMUNITY-BASED PUBLIC HEALTH PRACTICE (ELR)	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)	
Additional Requirements (courses do not count in major GPA)		
Mathematics Elective, choose from the following:		3-5
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (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

Global Health Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
PH 44003	ENVIRONMENTAL HEALTH ISSUES IN LOW- AND MIDDLE-INCOME COUNTRIES	3
Public Health Electives, choose from the following: ¹		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)	
Additional Requirements (courses do not count in major GPA)		
Mathematics Elective, choose from the following:		3-5
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (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)	
Foreign Language ²		14-20
Kent Core Basic Sciences (must include one laboratory) ³		6-7
Kent Core Additional		6
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours) ⁴		12
Minimum Total Credit Hours:		56

- ¹ If PH 40092 was not taken in Semester Six should choose from the following to take over the summer term: PH 41092, PH 44002 OR PH 44004.
- ² Students pick from the following languages (Elementary I and II and Intermediate I and II): Arabic, Chinese, French, Russian or Spanish.
- ³ Recommended courses: GEOG 22061, PSYC 11762, SOC 12050.
- ⁴ Minimum 12 credit hours of study abroad semester courses count as general elective.

Health Services Administration Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
PH 30015	UNITED STATES HEALTH CARE SYSTEM	3
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 20010	INTRODUCTION TO PUBLIC HEALTH INFORMATICS	
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)	
Additional Requirements (courses do not count in major GPA)		
Mathematics Elective, choose from the following:		3-5
MATH 10771	BASIC MATHEMATICAL CONCEPTS I PLUS (KMCR)	
MATH 10772	MODELING ALGEBRA PLUS (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)		20
Minimum Total Credit Hours:		56

Pre-Medicine, Dental, Osteopathy Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (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:		37
ATTR 25057	HUMAN ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
ATTR 25058	HUMAN ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 10110	BIOLOGICAL DIVERSITY (ELR) (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)
PESP 25033	LIFESPAN MOTOR DEVELOPMENT
PHIL 21001	INTRODUCTION TO ETHICS (DIVG) (KHUM)
PHY 13001 & PHY 13021	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)
or PHY 23101	GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)
PHY 13002 & PHY 13022	GENERAL COLLEGE PHYSICS II (KBS) 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)

Minimum Total Credit Hours:

56

¹ 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 Health Outreach and Development Concentration
- Global Health 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 timely graduation.

Semester Prerequisite	Credits
! State Licensure or Concentration Electives	12
Credit Hours	12
Semester One	
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
General Elective	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
Credit Hours	13
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	2
Credit Hours	14
Semester Five	
! PH 30002 INTRODUCTORY BIostatISTICS	3
PH 30006 INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
Public Health (PH) Electives	3
General Elective	3
Credit Hours	12
Semester Six	
PH 30000 PUBLIC HEALTH PROFESSIONAL PRACTICE II	1

! PH 30004 PUBLIC HEALTH RESEARCH	3
Public Health (PH) Electives	3
General Electives	6
Credit Hours	13
Semester Seven	
PH 40000 PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000 HEALTH DISPARITIES (DIVD) (WIC)	3
General Electives	9
Credit Hours	13
Semester Eight	
PH 49000 CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Kent Core Requirement	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	or ALGEBRA FOR CALCULUS PLUS (KMCR)	
or	MATH 10775	
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Biological Sciences Elective		4-5
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		18
Semester Two		
PH 10002	INTRODUCTION TO GLOBAL HEALTH (DIVG)	3
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or	or MOLECULES OF LIFE (KBS)	
CHEM 10055	or GENERAL CHEMISTRY I (KBS)	
or	CHEM 10060	
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
Public Health (PH) Electives		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 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
PH 40017	PHARMACOEPIDEMIOLOGY	3

General Elective		6
Credit Hours		13
Semester Seven		
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
General Electives		9
Public Health (PH) Upper-Division Electives (30000 or 40000 level)		3
Credit Hours		16
Semester Eight		
PH 40018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	3
PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Public Health (PH) Electives		3
Public Health (PH) Upper-Division Electives (30000 or 40000 level)		3
General Electives		1
Credit Hours		13
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		3-5
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Two		Credits
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		Credits
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
Public Health (PH) Electives		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Four		Credits
! 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		Credits
! 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		Credits
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
! PH 30004	PUBLIC HEALTH RESEARCH	3
PH 34002	PUBLIC HEALTH INTERVENTIONS II	3
PH 35001	COMMUNITY-BASED PUBLIC HEALTH PRACTICE (ELR)	3
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
General Electives		3
Credit Hours		16
Semester Seven		Credits
PH 35005	ADVOCACY AND ACTIVISM IN PUBLIC HEALTH	3
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1

PH 45092	SERVICE LEARNING PRACTICUM IN	3
or PH 44092	COMMUNITY-BASED PUBLIC HEALTH (ELR) or INTERNSHIP IN PUBLIC HEALTH (ELR)	
General Electives		6
Credit Hours		13
Semester Eight		Credits
! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Public Health (PH) Electives		3
General Electives		8
Credit Hours		14
Minimum Total Credit Hours:		120

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.

Semester One		Credits
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
Semester Two		
! 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
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
! Foreign Language		3-5
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Four		
! 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
Semester Five		
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
! PH 30002	INTRODUCTORY BIostatISTICS	3
PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
Global Health Elective		3
Kent Core Requirement		3
Credit Hours		13
Semester Six		
PH 40092	INTERNATIONAL HEALTH PRACTICUM (ELR)	0-6
General Electives		9
Credit Hours		15
Third Summer Term		
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 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44003	ENVIRONMENTAL HEALTH ISSUES IN LOW- AND MIDDLE-INCOME COUNTRIES	3
Public Health (PH) Electives		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Eight		
PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
! PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
Public Health (PH) Electives		3
Global Health Elective		3
General Electives		3
Credit Hours		15
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
	Public Health (PH) Electives	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	
	General Electives	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
	Public Health (PH) Electives	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 (ELR) (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 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
!	PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
	PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
	Concentration Elective		4-5
Credit Hours			16
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 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
	PH 30004	PUBLIC HEALTH RESEARCH	3
	Concentration Elective		9
Credit Hours			13
Semester Seven			
	PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
	PH 44000	HEALTH DISPARITIES (DIVD) (WIC)	3
	Public Health (PH) Electives		3
	Kent Core Requirement		3
	Kent Core Requirement		3
	Kent Core Requirement		3
Credit Hours			16

Semester Eight			
!	PH 30006	INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY	3
!	PH 49000	CAPSTONE EXPERIENCE IN PUBLIC HEALTH (ELR)	3
	Public Health (PH) Electives		3
	Kent Core Requirement		3
	Kent Core Requirement		3
Credit Hours			15
Minimum Total Credit Hours:			120