

PUBLIC HEALTH - B.S.P.H.

College of Public Health and Health Sciences
www.kent.edu/phhs

About This Program

Join the next generation of the public health workforce with Kent State University's Public Health program. Earn a B.S.P.H., minor or certificate and gain the skills and knowledge to improve population health and make a difference in people's lives. Enroll now in person or fully online and make an impact in the world of public health. Read more...

Contact Information

- **Gretchen Thomas** | gthoma33@kent.edu | 330-672-6528
- Speak with an Advisor
- Chat with an Admissions Counselor

Program Delivery

- **Delivery:**
 - Fully online (Allied Health, Clinical Trials Research, Health Services Administration concentrations only)
 - Mostly online
 - In person (all concentrations)
- **Location:**
 - Kent Campus

Examples of Possible Careers and Salaries*

Community health workers

- 11.3% much faster than the average
- 65,100 number of jobs
- \$51,030 potential earnings

Environmental scientists and specialists, including health

- 4.4% about as fast as the average
- 90,300 number of jobs
- \$80,060 potential earnings

Health education specialists

- 4.5% about as fast as the average
- 71,800 number of jobs
- \$63,000 potential earnings

Medical and health services managers

- 23.2% much faster than the average
- 616,200 number of jobs
- \$117,960 potential earnings

Additional careers

- Project coordinators (falls under business operations specialists, all other)

- Social and community service managers
- Clinical research associates (falls under clinical laboratory technologists and technicians)
- Clinical research coordinators
- Public policy and social services

Accreditation

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

* Source of occupation titles and labor data comes 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.

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students.

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 campuses 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. For more information on admissions, contact the Regional Campuses admissions offices.

International Students: All international students must provide proof of proficiency of the English language (unless they meet specific exceptions) through the submission of an English language proficiency test score or by completing English language classes at Kent State's English as a Second Language Center before entering their program. For more information, visit the admissions website for international students.

Former Students: Former Kent State students who have not attended another institution since Kent State and were not academically dismissed will complete the re-enrollment process through the Financial, Billing and Enrollment Center. Former students who attended another college or university since leaving Kent State must apply for admissions as a transfer or post-undergraduate student.

Transfer Students: Students who attended an educational institution after graduating from high school or earning their GED must apply as transfer students. For more information, visit the admissions website for transfer students.

Admission policies for undergraduate students may be found in the University Catalog's Academic Policies.

Students may be required to meet certain criteria to progress in their program. Any progression requirements will be listed on the program's Coursework tab

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	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 30015	UNITED STATES HEALTH CARE SYSTEM	3
PH 30033	PUBLIC HEALTH POLICY AND DECISION MAKING ¹	3
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000	HEALTH DISPARITIES (WIC) ²	3
PH 49199	PUBLIC HEALTH PORTFOLIO (ELR)	3
Practical Experience Requirement, choose from the following: ³		
HONR 40099	SENIOR HONORS THESIS/PROJECT (ELR)	
Any Aerospace Studies (ASTU) course		
Any Military Science (MSCI) course		
Any International Experience (xxx89) course		
Any Practical Experience (xxx92) course		
Any Study Away (xxx90) course		
Non-course experience with college approval		
Additional Requirements (courses do not count in major GPA)		
UC 10001	FLASHES 101	1
American Civic Literacy Requirement ⁴		3
Kent Core Composition		6
Kent Core Humanities and Fine Arts (minimum one course from each) ⁴		6-9
Kent Core Social Sciences (must be from two disciplines) ⁴		3-6
General Elective (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		2
Additional Requirements or Concentrations		
Choose from the following:		57
Additional Requirements for Students Not Declaring a Concentration		
Allied Health Concentration		
Clinical Trials Research Concentration		
Health Services Administration Concentration		
Pre-Medicine, Dental, Osteopathy Concentration		
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 Students are required to complete a practical experience to graduate with the B.S.P.H. degree. Please see the graduation requirements for more information.

⁴ If students complete the American Civic Literacy requirement by taking HIST 12061, the course will apply to the Kent Core Humanities category. If they complete it with POL 10101, the course will apply to the Kent Core Social Sciences category.

Additional Requirements for Students Not Declaring a Concentration

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
Public Health (PH) Elective		3
Additional Requirements (courses do not count in major GPA)		
Kent Core Mathematics and Critical Reasoning		3
Kent Core Basic Sciences (must include one laboratory)		6-7
Kent Core Additional		6
General Electives		39
Minimum Total Credit Hours:		57

Allied Health Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
Public Health (PH) Elective		3
State Licensure or Concentration Electives, choose from the following: ¹		12
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 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
BSCI 21020	ANATOMY AND PHYSIOLOGY II	
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)	

IHS 14020	MEDICAL TERMINOLOGY	
NURS 20950	HUMAN GROWTH AND DEVELOPMENT FOR HEALTH PROFESSIONALS	
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	
PSYC 11762	GENERAL PSYCHOLOGY (KSS)	
SOC 12050	INTRODUCTION TO SOCIOLOGY (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		27
Minimum Total Credit Hours:		57

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 and Health Sciences. 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) Elective		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)	3-4
or CHEM 10055	MOLECULES OF LIFE (KBS)	
or CHEM 10060	GENERAL CHEMISTRY I (KBS)	
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	3-4
or MATH 11009	MODELING ALGEBRA (KMCR)	
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
Biological Sciences Elective, choose from the following:		4

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		17
Minimum Total Credit Hours:		57

Health Services Administration Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
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
Public Health (PH) Elective		3
Health Services Elective, choose from the following:		3
PH 20010	INTRODUCTION TO PUBLIC HEALTH INFORMATICS	
PH 20015	ZOMBIE OUTBREAK	
PH 30020	FUNDAMENTALS OF HEALTH PRIVACY	
PH 30025	FUNDAMENTALS OF HEALTHCARE COMPLIANCE	
PH 40195	SPECIAL TOPICS IN PUBLIC HEALTH	
PH 43014	PUBLIC HEALTH AND MASS INCARCERATION	
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		21
Minimum Total Credit Hours:		57

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 or CHEM 30481	BASIC ORGANIC CHEMISTRY I ORGANIC CHEMISTRY I	4
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
Concentration Electives, choose from the following:		35
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 20482 or CHEM 30482	BASIC ORGANIC CHEMISTRY II ¹ ORGANIC CHEMISTRY II	
CHEM 30284	INTRODUCTORY BIOLOGICAL CHEMISTRY	
CHEM 30476	ORGANIC CHEMISTRY LABORATORY II	
CHEM 40248	ADVANCED BIOLOGICAL CHEMISTRY	
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	
GERO 14029	INTRODUCTION TO GERONTOLOGY (KSS)	
HONR 40197	SENIOR COLLOQUIUM	
IHS 14020	MEDICAL TERMINOLOGY	
MATH 12021	CALCULUS FOR LIFE SCIENCES	
MATH 12022 or MATH 30011	PROBABILITY AND STATISTICS FOR LIFE SCIENCES BASIC PROBABILITY AND STATISTICS	
NUTR 23511	SCIENCE OF HUMAN NUTRITION (KBS)	
PEHS 25033	LIFESPAN MOTOR DEVELOPMENT	
PHIL 21001	INTRODUCTION TO ETHICS (KHUM)	
PHY 13001 & PHY 13021 or PHY 23101	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)	
PHY 13002 & PHY 13022 or PHY 23102	GENERAL COLLEGE PHYSICS II (KBS) and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB) GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)	
PSYC 11762	GENERAL PSYCHOLOGY (KSS)	
SOC 12050	INTRODUCTION TO SOCIOLOGY (KSS)	
Additional Requirements (courses do not count in major GPA)		
Mathematics Elective, choose from the following:		3-5

MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)
MATH 11022	TRIGONOMETRY (KMCR)
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)

Minimum Total Credit Hours: 57

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

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

Practical Experience Requirement

Students in the B.S.P.H. degree are required to complete a practical experience. The requirement can be fulfilled by any of the following course or non-course experiences:

Course experiences

- HONR 40099 (4-6 credit hours)
- Any international experience (xxx89), study away (xxx90) or practical experience (xxx92) course
- Any Aerospace Studies (ASTU) or Military Science (MSCI) course

Non-course experiences with college approval

Non-course experiences are expected to equal approximately 45 clock hours of participation.

Preponderant Approval

It is assumed that these experiences will meet the requirement. Final approval is required by the College of Public Health and Health Sciences:

- Military experience
- Significant leadership experiences in student organizations
- Structured research (e.g., SURE program) or credit hours received for health-related research

Conditional Approval

Students must receive approval from the College of Public Health and Health Sciences prior to starting the experience:

- Plus-1 credit option
- Non-course experiences such as community volunteer or work-related experiences that go beyond the student's typical job description

Roadmaps

Public Health Major (No Concentration)

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. 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 10001	FLASHES 101	1
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3

Kent Core Requirement	3
Credit Hours	16
Semester Two	
PH 10002 INTRODUCTION TO GLOBAL HEALTH	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
American Civic Literacy 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
PH 30015 UNITED STATES HEALTH CARE SYSTEM	3
General Electives	6
Credit Hours	15
Semester Six	
PH 30000 PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
! PH 30004 PUBLIC HEALTH RESEARCH	3
Public Health (PH) Elective	3
General Electives	9
Credit Hours	16
Semester Seven	
PH 40000 PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000 HEALTH DISPARITIES (WIC)	3
General Electives	12
Credit Hours	16
Semester Eight	
PH 49199 PUBLIC HEALTH PORTFOLIO (ELR)	3
Kent Core Requirement	3
General Electives	9
Credit Hours	15
Minimum Total Credit Hours:	120

Allied Health Concentration

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. 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
Semester One		
PH 10001 INTRODUCTION TO PUBLIC HEALTH		3
UC 10001 FLASHES 101		1
Mathematics Elective		3-5
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Two		
PH 10002 INTRODUCTION TO GLOBAL HEALTH		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
American Civic Literacy 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
PH 30015 UNITED STATES HEALTH CARE SYSTEM		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) Elective		3
General Electives		6
Credit Hours		13
Semester Seven		
PH 40000 PUBLIC HEALTH PROFESSIONAL PRACTICE III		1
PH 44000 HEALTH DISPARITIES (WIC)		3
General Electives		9
Credit Hours		13
Semester Eight		
PH 49199 PUBLIC HEALTH PORTFOLIO (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 program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
MATH 10775	ALGEBRA FOR CALCULUS PLUS (KMCR)	3-4
or	or MODELING ALGEBRA (KMCR)	
MATH 11009	or ALGEBRA FOR CALCULUS (KMCR)	
or		
MATH 11010		
PH 10001	INTRODUCTION TO PUBLIC HEALTH	3
PH 20000	PUBLIC HEALTH PROFESSIONAL PRACTICE I	1
UC 10001	FLASHES 101	1
Biological Sciences Elective		4
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		18
Semester Two		Credits
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3-4
or	or MOLECULES OF LIFE (KBS)	
CHEM 10055	or GENERAL CHEMISTRY I (KBS)	
or		
CHEM 10060		
PH 10002	INTRODUCTION TO GLOBAL HEALTH	3
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Three		Credits
! PH 20001	ESSENTIALS OF EPIDEMIOLOGY	3
PH 30005	SOCIAL AND BEHAVIORAL SCIENCE THEORIES IN PUBLIC HEALTH	3
Public Health (PH) Elective		3
American Civic Literacy Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Four		Credits
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		Credits
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		Credits
PH 30000	PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
PH 30004	PUBLIC HEALTH RESEARCH	3
PH 40017	PHARMACOEPIDEMIOLOGY	3
General Electives		6
Credit Hours		13
Semester Seven		Credits
PH 40000	PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000	HEALTH DISPARITIES (WIC)	3
Public Health (PH) Upper-Division Elective (30000 or 40000 level)		3
General Electives		9
Credit Hours		16
Semester Eight		Credits
PH 30015	UNITED STATES HEALTH CARE SYSTEM	3
PH 40018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	3
PH 49199	PUBLIC HEALTH PORTFOLIO (ELR)	3
Public Health (PH) Upper-Division Elective (30000 or 40000 level)		3
General Elective		1
Credit Hours		13
Minimum Total Credit Hours:		120

Health Services Administration Concentration

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. 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 10001	FLASHES 101	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	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
American Civic Literacy Requirement		3
Kent Core Requirement		3
General Elective		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	
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) Elective	3
General Elective	3
Credit Hours	13
Semester Six	
PH 30004 PUBLIC HEALTH RESEARCH	3
PH 30015 UNITED STATES HEALTH CARE SYSTEM	3
PH 44000 HEALTH DISPARITIES (WIC)	3
PH 44020 PUBLIC HEALTH ETHICS IN PRACTICE, POLICY AND RESEARCH	3
General 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 44005 LEGAL ASPECTS OF HEALTH SERVICES MANAGEMENT	3
PH 49199 PUBLIC HEALTH PORTFOLIO (ELR)	3
General Electives	8
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 program. Students will work with their advisor to develop a sequence based on their academic goals and history. 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 10001 FLASHES 101	1
Mathematics Elective	3-5
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	3

American Civic Literacy Requirement	3
Credit Hours	15
Semester Three	
! CHEM 20481 BASIC ORGANIC CHEMISTRY I or CHEM 30481 or ORGANIC CHEMISTRY I	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 Electives	5
Credit Hours	17
Semester Four	
! PH 30007 PREVENTION AND CONTROL OF DISEASES	3
PH 30033 PUBLIC HEALTH POLICY AND DECISION MAKING	3
Concentration Electives	10
Credit Hours	16
Semester Five	
PH 30002 INTRODUCTORY BIOSTATISTICS	3
Concentration Electives	11
Credit Hours	14
Semester Six	
PH 30000 PUBLIC HEALTH PROFESSIONAL PRACTICE II	1
PH 30004 PUBLIC HEALTH RESEARCH	3
Concentration Electives	9
Credit Hours	13
Semester Seven	
PH 30015 UNITED STATES HEALTH CARE SYSTEM	3
PH 40000 PUBLIC HEALTH PROFESSIONAL PRACTICE III	1
PH 44000 HEALTH DISPARITIES (WIC)	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 49199 PUBLIC HEALTH PORTFOLIO (ELR)	3
Kent Core Requirement	3
Kent Core Requirement	3
General Elective	2
Credit Hours	14
Minimum Total Credit Hours:	120

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.

Flashes 101 (UC 10001)	1 credit hour
Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.	
American Civic Literacy	3 credit hours

Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37 credit hours
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 credit hours
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.	
Total Credit Hour Requirement	120 credit hours

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 Learning Outcomes

Graduates of this program will be able to:

1. Overview of Public Health: Address the history and philosophy of public health as well as its core values, concepts and functions across the globe and in society.
2. Role and Importance of Data in Public Health: Address 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. Identifying and Addressing Population Health Challenges: Address the concepts of population health and basic processes, approaches and interventions that identify and address the major health-related needs and concerns of populations.
4. Human Health: Address the underlying science of human health and disease, including opportunities for promoting and protecting health across the life course.
5. Determinants of Health: Address the socioeconomic, behavioral, biological, environmental and other factors that impact human health and contribute to health disparities.
6. Project Implementation: Address the fundamental concepts and features of project implementation, including planning, assessment and evaluation.
7. Overview of the Health System: Address the fundamental characteristics and organizational structures of the U.S. health system as well as the differences in systems in other countries.
8. Health Policy, Law, Ethics and Economics: Address 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. Health Communications: Address the basic concepts of public health-specific communication (including technical and professional writing) and the use of mass media and electronic technology.

Full Description

The Bachelor of Science in Public Health degree in Public Health prepares students to enter the workforce as public health professionals or pursue advanced study. Students explore the five core disciplines of public health – biostatistics, environmental health, epidemiology, health policy and management and the social and behavioral sciences – and are well equipped to meet the increasing demand for a highly trained public health workforce.

The Public Health major includes the following optional 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 professional degree (e.g., accelerated nursing) or technical allied health degree (e.g., respiratory care, radiologic technology, occupational/physical therapy assisting, etc.) are encouraged to pursue this path. Students who currently hold or are actively pursuing a state licensure in an allied health field 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.
- The **Clinical Trials Research** concentration prepares students for the epidemiology principles and applied methods essential to conducting high-quality clinical research. The curriculum provides a strong foundation in research study management; the scientific literature surrounding drugs, medical devices and emerging therapies; and federal regulations and ethical standards governing clinical trials. Students gain the skills needed to design research questions, develop study protocols, collect and manage data and effectively communicate findings to both scientific and general audiences. An optional internship offers hands-on experience within clinical research environments. Graduates are well positioned for roles in hospitals, contract research organizations, medical schools, pharmaceutical companies and other settings where they support or manage clinical trials and related research activities.
- The **Health Services Administration** concentration provides students with a strong foundation in health policy and management while preparing them to understand and navigate today's complex health care system. Students study national and local public health infrastructure, evaluate the effectiveness and efficiency of health care delivery and examine the legal and ethical issues that shape health care administration. They also build practical skills in leadership, communication and data-informed decision making that are essential for careers across the health sector. Graduates are prepared for entry-level roles such as policy analyst; compliance specialist; patient navigator; insurance coordinator; or health care manager in hospitals, public health agencies, nonprofit organizations and private health systems. Students may enhance their preparation by pairing this concentration with a minor or pursuing any of the combined B.S.P.H./M.P.H. programs, which offers a streamlined pathway to advanced study and leadership opportunities.
- The **Pre-Medicine, Dental, Osteopathy** concentration provides foundational coursework for the Medical College Admission Test (MCAT), Dental Admission Test (DAT) and admission entry into other professional schools, including pharmacy, podiatric medicine,

occupational or physical therapy and physician assistant studies. Students tailor their coursework to meet the prerequisites of their intended professional fields, choosing from a wide range of science courses such as advanced biology, chemistry and physiology that strengthen their academic preparation. The curriculum emphasizes the biological, social and economic determinants of health; disease prevention and control; epidemiology and biostatistics; and public health research, making this program highly competitive for professional school admission. Its distinctive features offer students expanded opportunities and a strong advantage when pursuing careers in clinical medicine.

Students may apply early to the following master's degree programs and double count 9 credit hours of graduate courses toward both degree programs. See the Combined Bachelor's/Master's Degree Program Policy in the University Catalog for more information:

- Master of Public Health degree in Biostatistics
- Master of Public Health degree in Epidemiology
- Master of Public Health degree in Health Policy and Management
- Master of Public Health degree in Social and Behavioral Sciences
- Master of Science degree in Clinical Epidemiology

Students must consult with their undergraduate and faculty advisors each semester to create a plan substituting selected master's courses for selected undergraduate courses based on approved courses. Following graduation, students' applications to the M.P.H. or M.S. degree may be activated for admission.