

EPIDEMIOLOGY - M.P.H.

College of Public Health
www.kent.edu/publichealth

PROGRAM IS PENDING APPROVAL FROM THE OHIO DEPARTMENT OF HIGHER EDUCATION. AFTER THAT FINAL APPROVAL, PROSPECTIVE STUDENTS MAY APPLY FOR ADMISSION.

About This Program

Explore Kent State University's STEM-designated Master of Public Health program in Epidemiology, designed to provide students with comprehensive training in the principles and methods of epidemiological research. Gain expertise in analyzing health data, identifying disease trends and designing interventions to improve public health outcomes. Read more...

Contact Information

- Program Coordinator: **Lynette Phillips** | lphill20@kent.edu | 330-672-6324
- Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery

- **Delivery:**
 - Fully online
 - In person
- **Location:**
 - Kent Campus

Accreditation

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

PROGRAM IS PENDING APPROVAL FROM THE OHIO DEPARTMENT OF HIGHER EDUCATION. AFTER THAT FINAL APPROVAL, PROSPECTIVE STUDENTS MAY APPLY FOR ADMISSION.

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 3.000 undergraduate GPA on a 4.000-point scale
- Official transcript(s)
- Goal statement
- Résumé
- Two letters of recommendation
- English Language Proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
 - Minimum 550 TOEFL PBT score
 - Minimum 79 TOEFL IBT
 - Minimum 77 MELAB score
 - Minimum 6.5 IELTS score

- Minimum 58 PTE score
- Minimum 110 Duolingo English score

Application Deadlines

- **Fall Semester**
 - Priority deadline: March 15 (international student)
Applications submitted by this deadline will receive the strongest consideration for admission.
 - Rolling admissions (domestic student)
- **Spring Semester**
 - Priority deadline: August 15 (international student)
Applications submitted by this deadline will receive the strongest consideration for admission.
 - Rolling admissions (domestic student)
- **Summer Term**
 - Rolling admissions (domestic student)

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
BST 52019	BIostatistics in Public Health	3
BST 63014	APPLIED REGRESSION ANALYSIS OF PUBLIC HEALTH DATA	3
EHS 52018	ENVIRONMENTAL HEALTH CONCEPTS IN PUBLIC HEALTH	3
EPI 52017	FUNDAMENTALS OF PUBLIC HEALTH EPIDEMIOLOGY	3
EPI 63014	EPIDEMIOLOGY OF CHRONIC DISEASES	3
EPI 63015	EPIDEMIOLOGY OF INFECTIOUS DISEASES	3
EPI 63016	PRINCIPLES OF EPIDEMIOLOGIC RESEARCH	3
HPM 52016	PUBLIC HEALTH ADMINISTRATION	3
HPM 53010	COMMUNITY HEALTH NEEDS ASSESSMENT	3
SBS 54634	SOCIAL DETERMINANTS OF HEALTH BEHAVIORS	3
Major Elective A, choose from the following:		3
BST 60010	USING R IN PUBLIC HEALTH	
BST 60011	USING SAS IN PUBLIC HEALTH	
BST 60012	USING EXCEL IN PUBLIC HEALTH	
BST 62020	DATA MANAGEMENT AND LOGIC USING SAS® SOFTWARE	
BST 63012	SURVIVAL ANALYSIS IN PUBLIC HEALTH	
BST 63013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	
EHS 52100	CLIMATE CHANGE AND POPULATION HEALTH	
EHS 53014	BUILT ENVIRONMENT AND PUBLIC HEALTH	
EPI 50017	PHARMACOEPIDEMIOLOGY	
EPI 50018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	
EPI 52010	UNDERSTANDING THE COVID-19 PANDEMIC	
EPI 63019	EXPERIMENTAL DESIGNS FOR CLINICAL RESEARCH	
EPI 63020	ADVANCED EPIDEMIOLOGY AND CLINICAL RESEARCH METHODS	
EPI 63021	ETHICAL ISSUES IN PUBLIC HEALTH AND CLINICAL RESEARCH	
EPI 63034	LONGITUDINAL DATA ANALYSIS	

GEOG 59070	GEOGRAPHIC INFORMATION SCIENCE	
GEOG 59071	FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE I	
GEOG 59072	GEOGRAPHIC INFORMATION SCIENCE AND HEALTH	
Any Graduate course (50000 or 60000 level) with advisor approval		
Major Electives B, choose from the following:		9
BST 60010	USING R IN PUBLIC HEALTH	
BST 60011	USING SAS IN PUBLIC HEALTH	
BST 60012	USING EXCEL IN PUBLIC HEALTH	
BST 62020	DATA MANAGEMENT AND LOGIC USING SAS® SOFTWARE	
BST 63012	SURVIVAL ANALYSIS IN PUBLIC HEALTH	
BST 63013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	
EPI 63019	EXPERIMENTAL DESIGNS FOR CLINICAL RESEARCH	
EPI 63020	ADVANCED EPIDEMIOLOGY AND CLINICAL RESEARCH METHODS	
EPI 63021	ETHICAL ISSUES IN PUBLIC HEALTH AND CLINICAL RESEARCH	
EPI 63034	LONGITUDINAL DATA ANALYSIS	
Any Graduate course (60000 level only) with advisor approval		
<i>Culminating Requirement</i>		
EPI 60192	APPLIED PRACTICE EXPERIENCE IN EPIDEMIOLOGY ¹	3
PH 61199	INTEGRATIVE LEARNING EXPERIENCE	1
Minimum Total Credit Hours:		46

¹ It is expected that students enrolled in EPI 60192 who do not complete the course in one term will continuously register for EPI 60292 each semester, until all requirements have been met. Credit hours for EPI 60292 do not apply to the minimum 46 credit hours for the degree.

Graduation Requirements

- Practicum placement at an approved public health agency under the guidance of a qualified preceptor (150 or 300 contact hours).
- Final portfolio/report and a presentation integrating theory and practice.
- Participation in at least one approved interprofessional education event (IPE); IPE requires students to participate at a specific time/date to be determined in consultation with the student's advisor.

Program Learning Outcomes

Graduates of this program will be able to:

Evidence-based Approaches to Public Health

1. Apply epidemiological methods to the breadth of settings and situations in public health practice.
2. Select quantitative and qualitative data collection methods appropriate for a given public health context.
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.
4. Interpret results of data analysis for public health research, policy or practice.

Public Health and Health Care Systems

1. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings.
2. Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels.

Planning and Management to Promote Health

1. Assess population needs, assets and capacities that affect communities' health.
2. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs.
3. Design a population-based policy, program, project or intervention.
4. Explain basic principles and tools of budget and resource management. Select methods to evaluate public health programs.

Policy in Public Health

1. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence.
2. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes.
3. Advocate for political, social or economic policies and programs that will improve health in diverse populations.
4. Evaluate policies for their impact on public health and health equity.

Leadership

1. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making.
2. Apply negotiation and mediation skills to address organizational or community challenges.

Communication

1. Select communication strategies for different audiences and sectors.
2. Communicate audience-appropriate public health content, both in writing and through oral presentation.
3. Describe the importance of cultural competence in communicating public health content.

Interprofessional Practice

1. Perform effectively on interprofessional teams.

Systems Thinking

1. Apply systems thinking tools to a public health issue.

Full Description

The Master of Public Health degree in Epidemiology prepares students to analyze the distribution and determinants of disease, disabilities and death in populations. Graduates are able to apply quantitative and qualitative methods to investigate disease outbreaks, determine causal relationships between environmental and biological factors and conduct studies to project health trends in populations. Students benefit from public health faculty research agendas in immigrant and refugee health, chronic disease, cancer and infectious disease epidemiology.

Career opportunities for graduates include research positions in universities, medical schools and pharmaceutical companies; disease prevention specialists in hospitals; and surveillance managers in state and local health departments.