

# CLINICAL EPIDEMIOLOGY - M.S.

College of Public Health  
www.kent.edu/publichealth

## About This Program

Clinical epidemiologists play an important role in improving patient outcomes, informing public health policy and advancing medical knowledge by conducting research studies that help to identify new treatments and interventions for various health conditions. Kent State's M.S. degree is your pathway to making a real difference in the world of clinical research. Read more...

## Contact Information

- College of Public Health Dean's Office | CPHgradapps@kent.edu | 330-672-6500
- Connect with an Admissions Counselor: U.S. Student | International Student

## Program Delivery

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

## Examples of Possible Careers and Salaries\*

### Medical scientists, except epidemiologists

- 6.1% faster than the average
- 138,300 number of jobs
- \$91,510 potential earnings

## Accreditation

The M.S. degree in Clinical Epidemiology 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.

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)

- GRE scores or other standardized graduate admission exam (GMAT, MCAT, LSAT, PCAT)<sup>1</sup> *test scores are no longer required starting with spring 2024 admission term*
- Goal statement
- Resume
- Three 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 Duoling English score

Applicants to the program who have limited clinical or science backgrounds may be advised to take additional coursework to prepare them for the field. Determinations will be made by the admissions committee when the student is admitted conditionally to the program.

<sup>1</sup> GRE scores may be waived, as determined by graduate coordinator using program criteria. Contact the graduate coordinator for more information.

## 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)

## Program Requirements

### Major Requirements

Code	Title	Credit Hours
<b>Major Requirements</b>		
BST 52019	BIostatistics in Public Health	3
BST 63013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	3
BST 63014	APPLIED REGRESSION ANALYSIS OF PUBLIC HEALTH DATA	3
EPI 52017	FUNDAMENTALS OF PUBLIC HEALTH EPIDEMIOLOGY	3
EPI 63016	PRINCIPLES OF EPIDEMIOLOGIC RESEARCH	3
EPI 63019	EXPERIMENTAL DESIGNS FOR CLINICAL RESEARCH	3
EPI 63020	ADVANCED EPIDEMIOLOGY AND CLINICAL RESEARCH METHODS	3
EPI 63021	ETHICAL ISSUES IN PUBLIC HEALTH AND CLINICAL RESEARCH	3
or PHIL 50005	HEALTH CARE ETHICS	

Major Electives, choose from the following:		6-9
BST 62020	DATA MANAGEMENT AND LOGIC USING SAS® SOFTWARE	
EPI 50015	SCIENTIFIC WRITING FOR CLINICAL RESEARCH	
EPI 50017	PHARMACOEPIDEMIOLOGY	
EPI 50018	REGULATORY AFFAIRS IN CLINICAL RESEARCH	
EPI 50196	INDIVIDUAL INVESTIGATION IN EPIDEMIOLOGY	
EPI 63014	EPIDEMIOLOGY OF CHRONIC DISEASES	
EPI 63015	EPIDEMIOLOGY OF INFECTIOUS DISEASES	
<i>Culminating Requirement</i>		
Choose from the following: <sup>1</sup>		3-6
EPI 63192	RESEARCH PRACTICUM IN CLINICAL EPIDEMIOLOGY	
EPI 63199	THESIS I	
<b>Minimum Total Credit Hours:</b>		<b>36</b>

<sup>1</sup> All students will be required to present their thesis or research-based practicum to the College of Public Health at a presentation day, either in person or using videoconferencing technology. Students choosing a 3-credit hour research practicum will take 9 credit hours of electives. Students choosing a 6-credit hour thesis will take 6 credit hours of electives.

## Graduation Requirements

Some students may be required to take science-based courses in addition to the requirements for the degree and, therefore, will graduate with more than the listed credit hours.

## Program Learning Outcomes

Graduates of this program will be able to:

1. Conduct patient-oriented research to understand and modify health outcomes.
2. Design and carry out epidemiologic studies.
3. Analyze clinical data and understand the sources, strengths and limitations of patient data.
4. Design and perform clinical trials.
5. Interact with human subjects and describe prognosis, therapies and outcomes.

## Full Description

The Master of Science degree in Clinical Epidemiology is a STEM-designated advanced degree that prepares students in the epidemiological and biostatistical methods related to clinical trials and clinical research. Students learn advanced methods of observational and experimental study designs and are able to understand disease prevention, development, prognosis and treatment. In addition, students master and are able to apply good clinical practices, clinical trial design and management, statistical analysis, study monitoring, pharmaceutical research and regulations related to clinical research.