

Clinical Epidemiology - M.S.

College of Public Health

326 Lowry Hall

Kent Campus

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www.kent.edu/publichealth

Description

The Master of Science degree in Clinical Epidemiology is an advanced degree that trains students in the epidemiology and biostatistical methods related to clinical trials and clinical research. Students learn advanced methods of observational and experimental study designs and to understand disease prevention, development, prognosis and treatment. In addition, students understand and are able to apply good clinical practices, clinical trials design, management, statistical analysis, study monitoring, pharmaceutical research and regulations related to clinical research. Depending on students' background, job opportunities for graduates include clinician researchers leading clinical research teams or as members of research teams who are largely responsible for the methodology to conduct clinical research studies and analyze clinical data. Graduates may also continue their education to pursue a doctoral or professional degree.

Fully Offered At:

- Online
- Kent Campus (hybrid online/on-ground)

Accreditation

Council on Education for Public Health (CEPH)

Admission Requirements

- Official transcript(s)
- Minimum 3.0 undergraduate GPA
- Goal statement
- Three letters of recommendation
- GRE scores or other standardized graduate admission exam (GMAT, MCAT, LSAT, PCAT)¹
- 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 - paper-based version
 - Minimum 79 TOEFL IBT - Internet-based version
 - Minimum 77 MELAB score
 - Minimum 6.5 IELTS score
 - Minimum 58 PTE 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.

PROPOSED CATALOG COPY

For more information about graduate admission, please visit the [Graduate Studies website](#).
For more information on international admission, visit the [Office of Global Education's admission website](#).

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

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 carryout 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

Program Requirements

Major Requirements

BST 52019	BIostatistics in Public Health	4
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 63018	Observational Designs for Clinical Research (new course)	3
EPI 63019	Experimental Designs for Clinical Research (new course)	3
EPI 63020	Advanced Epidemiology and Clinical Research Methods (new course)	3
EPI 63021	Ethical Issues in Public Health and Clinical Research (new course)	3
Major Electives, choose from the following:		5-6
BST 62020	Data Management and Logic Using SAS [®] Software (new course)	
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	
Culminating Requirement, choose from the following ¹ :		6
EPI 63192	Research Practicum in Clinical Epidemiology (new course)	
EPI 63199	Thesis I (new course)	

Minimum Total Credit Hours: 36

- 1 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.

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.