

PUBLIC HEALTH - PH.D.

College of Public Health
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 Kent Campus
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Description

The Ph.D. degree in Public Health bridges public safety and health career pathways to address a nationwide shortage of public health workers.

The Public Health major comprises the following concentrations:

- The **Epidemiology** concentration prepares students to examine the distribution and determinants of diseases in populations. Graduates are able to apply quantitative and qualitative methods to examine critical and/or emerging health issues, gain advanced ability to conduct large studies and analyze data sets in order to project health trends in populations of interest. Students in this concentration benefit from active faculty research agendas in biopreparedness, public health surveillance systems, chronic disease, cancer and infectious disease epidemiology.
- The **Health Policy and Management** concentration prepares students to design and implement studies and use advanced research methods to examine critical and emerging health issues. The heart of the concentration is a focus on interdisciplinary skills to meet the rapidly changing health needs of communities. Students benefit from active faculty research agendas in health systems research, occupational health and safety, reproductive health, HIV/AIDS, access to health care, health literacy, substance abuse prevention and community-based programming.
- The **Prevention Science** concentration is an interdisciplinary program aimed at promoting healthy behaviors in populations across the life course. Graduates are prepared to design and evaluate public health interventions and have expertise in a variety of theoretical and substantive perspectives for the purpose of conducting research within systems of the family, health and education, workplace and community. Active faculty research provide students the opportunity to work on community-based prevention research.

Fully Offered At:

- Kent Campus

Accreditation

The Ph.D. degree in Public Health is accredited by the Council on Education For Public Health (CEPH).

Admission Requirements

- Master's degree in a related discipline from an accredited college or university for unconditional admission
- Minimum 3.000 graduate GPA on a 4.000 point scale for unconditional admission
- Official transcript(s)
- GRE score or other standardized graduate admission exam with a quantitative component¹

- Résumé
- Goal statement
- Three letters of recommendation
- Interview with faculty
- 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 587 TOEFL PBT score (paper-based version)
 - Minimum 94 TOEFL IBT score (Internet-based version)
 - Minimum 82 MELAB score
 - Minimum 7.0 IELTS score
 - Minimum 65 PTE score

For more information about graduate admissions, please visit the Graduate Studies admission 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.

Program Learning Outcomes

Graduates of this program will be able to:

1. Explain public health history, philosophy and values
2. Identify the core functions of public health and the 10 Essential Services¹⁶
3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health
4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
5. Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.
6. Explain the critical importance of evidence in advancing public health knowledge
7. Explain effects of environmental factors on a population's health
8. Explain biological and genetic factors that affect a population's health
9. Explain behavioral and psychological factors that affect a population's health
10. Explain the social, political and economic determinants of health and how they contribute to population health and health inequities
11. Explain how globalization affects global burdens of disease
12. Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)

Program Requirements

Major Requirements

Code	Title	Credit Hours
Prerequisites		
BST 52019	BIostatistics in Public Health	4
EHS 52018	Environmental Health Concepts in Public Health	3
EPI 52017	Fundamentals of Public Health Epidemiology	3
HPM 52016	Public Health Administration	3
Major Requirements		

BST 83014	APPLIED REGRESSION ANALYSIS OF PUBLIC HEALTH DATA	3
EPI 72028	METHODS OF EVIDENCE BASED PUBLIC HEALTH	3
EPI 73027	BIOLOGICAL BASIS OF PUBLIC HEALTH	3
SBS 73020	ADVANCED METHODS IN PREVENTION SCIENCE	3
Dissertation Requirement, choose from the following (based on concentration): ¹		30
EPI 80199	DISSERTATION I	
HPM 80199	DISSERTATION I	
SBS 80199	DISSERTATION I	
Concentrations		
Choose from the following:		36
Epidemiology		
Health Policy and Management		
Prevention Science		
Minimum Total Credit Hours:		91

¹ Each doctoral candidate, upon admission to candidacy, must register for Dissertation I for a total of 30 credit hours. It is expected that a doctoral candidate will continuously register for Dissertation I, and thereafter Dissertation II, each semester, including summer, until all requirements for the degree have been met.

Epidemiology Concentration Requirements

[PHD-PH-EP]

Code	Title	Credit Hours
Concentration Requirements		
BST 83012	SURVIVAL ANALYSIS IN PUBLIC HEALTH	3
BST 83013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	3
EPI 73026	DESIGN AND IMPLEMENTATION OF HEALTH SURVEYS	3
EPI 73034	LONGITUDINAL DATA ANALYSIS	3
EPI 83016	PRINCIPLES OF EPIDEMIOLOGIC RESEARCH	3
Content-related Electives, choose from the following: ¹		21
BST 83013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	
EPI 73024	EMERGING ISSUES IN CHRONIC DISEASE EPIDEMIOLOGY	
EPI 73025	EMERGING ISSUES IN INFECTIOUS DISEASE EPIDEMIOLOGY	
EPI 73027	BIOLOGICAL BASIS OF PUBLIC HEALTH	
EPI 73029	PUBLIC HEALTH SURVEILLANCE SYSTEMS	
EPI 73033	ENVIRONMENTAL EPIDEMIOLOGY	
EPI 80195	SPECIAL TOPICS IN EPIDEMIOLOGY	
EPI 80198	DIRECTED RESEARCH IN EPIDEMIOLOGY	
Minimum Total Credit Hours:		36

¹ Content-related elective courses should be selected by the student with a faculty advisor, depending upon the student's research interest. It may occur within the College of Public Health or in other disciplines outside the college.

Health Policy and Management Concentration Requirements

[PHD-PH-HPM]

Code	Title	Credit Hours
Concentration Requirements		
EPI 73026	DESIGN AND IMPLEMENTATION OF HEALTH SURVEYS	3
or EPI 83017	EPIDEMIOLOGICAL ANALYSIS	
HPM 72015	EMERGING ISSUES IN PUBLIC HEALTH POLICY AND MANAGEMENT	3
HPM 72030	GRANT WRITING IN PUBLIC HEALTH	3
HPM 73021	HEALTH CARE FINANCE	3
HPM 73022	STRATEGIC MANAGEMENT OF PUBLIC HEALTH ORGANIZATIONS	3
HPM 73031	PUBLIC HEALTH POLICY ANALYSIS	3
HPM 80198	DIRECTED RESEARCH IN HEALTH POLICY AND MANAGEMENT	3
HPM 81000	PUBLIC HEALTH LAW AND REGULATION	3
Content Related Electives ¹		12
Minimum Total Credit Hours:		36

¹ Content-related elective courses should be selected by the student with a faculty advisor, depending upon the student's research interest. It may occur within the College of Public Health or in other disciplines outside the college.

Prevention Science Concentration Requirements

[PHD-PH-PRSC]

Code	Title	Credit Hours
Concentration Requirements		
SBS 73010	QUALITATIVE METHODS FOR PUBLIC HEALTH RESEARCH	3
SBS 73018	THEORIES OF PREVENTION SCIENCE I	3
SBS 73019	THEORY PREVENTION SCIENCE II	3
SBS 73020	ADVANCED METHODS IN PREVENTION SCIENCE	3
SBS 80100	EMERGING ISSUES IN PREVENTION SCIENCE	3
SBS 80198	DIRECTED RESEARCH IN PREVENTION SCIENCE	3
Concentration Electives, choose from the following:		6
BST 83013	EXPERIMENTAL DESIGNS IN PUBLIC HEALTH RESEARCH	
EPI 73026	DESIGN AND IMPLEMENTATION OF HEALTH SURVEYS	
HPM 72030	GRANT WRITING IN PUBLIC HEALTH	
Content-related Electives ¹		12
Minimum Total Credit Hours:		36

¹ Content-related elective courses should be selected by the student with a faculty advisor, depending upon the student's research interest. It may occur within the College of Public Health or in other disciplines outside the college.