



PhD in Epidemiology

ABOUT THE PROGRAM

The PhD in Epidemiology and Biostatistics program with concentration in Epidemiology prepares students to carry out interdisciplinary and emerging research in cardiovascular and metabolic disease risk factors, environmental health, sickle cell disease, smoking, cancer and childhood obesity through advanced training in epidemiological and biostatistical methods.

IS THIS DEGREE FOR YOU?

- Students with a strong graduate preparation in public health, epidemiology, medicine, quantitative research methods and disease surveillance
- Professionals who seek to develop expertise in advanced epidemiological modeling, clinical trials and population health research
- Those in careers in health disparities, environmental health, and disease epidemiology

ENHANCE YOUR EXPERIENCE AND SKILLS

Students can enhance their skills through graduate certificates in one of the following areas, or create their own plan in consultation with an academic advisor:

- Health Analytics
- Population Health Informatics
- Health Systems Leadership
- Population Health

WHERE ARE OUR GRADUATES

Graduates of program pursue careers in academia, research, clinical settings and consulting.

DOCTOR OF PHILOSOPHY EPIDEMIOLOGY AND BIostatISTICS

EPIDEMIOLOGY

54 CREDIT HOURS

TO APPLY:

- Completed SOPHAS application
- Master's degree in epidemiology or biostatistics with a minimum GPA of 3.0, with relevant subject area and a minimum of two graduate-level epidemiologic methods and/or statistics courses
- Curriculum Vitae/Resume
- Statement of Purpose (750-1000 words)
- Three (3) letters of recommendation
- Credentials evaluation for foreign transcripts
- Language proficiency test if language of instruction was not English



WHAT YOU WILL LEARN

The program is designed to prepare students to teach and conduct innovative and high impact epidemiology and environmental health research utilizing advanced methods with understanding of environmental factors, cultural nuances and ethnic diversity.

CURRICULUM

EPIDEMIOLOGY METHODS COURSES - 9 CREDIT HOURS

PUBH 8141 | Epidemiological Survey Methods
PUBH 8172 | Epidemiology in Public Health II
PUBH 8174 | Epidemiology in Public Health III

BIostatistics CORE COURSES - 15 CREDIT HOURS

PUBH 8152 | BIostatistical Methods II
PUBH 8302 | SAS IN PUBLIC HEALTH
PUBH 8309 APPLIED SURVIVAL ANALYSIS
PUBH 8310 | MIXED MODEL REGRESSION ANALYSIS
PUBH 8311 | APPLIED CATEGORICAL DATA ANALYSIS

DOCTORAL SEMINAR CORE - 9 CREDIT HOURS

PUBH 8192 | Introduction to Human Disease
PUBH 8720 | Grant Writing in Health Sciences
PUBH 8901 | Doctoral Professional Development Seminar

ELECTIVE COURSES - 15 CREDIT HOURS

In consultation with faculty and/or academic advisors

DISSERTATION - 6 CREDIT HOURS

PUBH 9000 | Dissertation

COMPREHENSIVE EXAM

PhD candidates are required to pass a comprehensive exam covering Epidemiology Methods and Biostatistics Core courses.

CONNECT WITH OUR TEAM



HOW TO APPLY

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