



PhD in Epidemiology

Fay W. Boozman

College of Public Health
University of Arkansas for Medical Sciences

Doctor of Philosophy (PhD) in Epidemiology

The PhD program in Epidemiology at the University of Arkansas for Medical Sciences aims to provide effective, high-quality training guided by a rigorous curriculum that incorporates the latest up-to-date theories, methodologies and knowledge in the discipline of epidemiology, and to produce high-caliber graduates who will be able to compete nationally and internationally in diverse research specialties.

Our program provides a strong foundation in four key areas: 1) epidemiologic theory, methodology and data analysis; 2) emphasis areas (biological methods, clinical diseases, public and community health, advanced statistical analysis); 3) scholarship skills (with scientific writing, pedagogy, seminar series courses); and 4) scientific and public health practice research practicum. The type of epidemiologists being trained for the future must not only have traditional knowledge and skills, but must also be able to keep pace with current trends and developments in medical science, technology and community health. These include a basic understanding and functional knowledge of rapidly

evolving specialty areas, for example, molecular biology; genomics; genetics; biochemical and molecular biomarkers; bioinformatics; underlying mechanisms of disease pathogenesis; community, social structure and other social determinants of health. The PhD program in Epidemiology is broad-based and rigorous in order to enable graduates to have the flexibility to participate with competency at the highest level, and to adapt and apply the skills and knowledge acquired to a wide variety of scientific, clinical, public health and cutting-edge, cross-disciplinary/inter-disciplinary research without difficulty.

This 50-credit hour program should take three to five years full-time to complete. The first two years, known as the residency, is dedicated to completing required coursework on campus along with mentored research. An additional one to three years is usually expected for completing dissertation research. Applicants with a master's degree in Epidemiology may receive up to 42 credits for prerequisites prior to enrollment in the program. Applicants without a master's degree in Epidemiology can take these prerequisites at UAMS for credit towards meeting the MPH degree requirements in Epidemiology.



How to Apply

Applicants for the PhD in Epidemiology must obtain admissions information from and follow admissions procedures established by the UAMS Graduate School. The UAMS Graduate School Catalog describes all admissions procedures in detail. Visit their website at <http://gradschool.uams.edu/>. Any individual desiring consideration for fall admission must submit the following to the Graduate School Office through SOPHAS by January 15:

- A completed application
- Official transcripts from each university attended even if listed as transfer credit on another transcript
- Official test results from at least one Graduate Record Examination taken within the last five years
- For the applicant who is not a native English speaker and does not have a bachelor's or a master's degree from a regionally accredited U.S. institution, scores for the Test of English as a Foreign Language (TOEFL) with a minimum score of 80, taken within the last two years.
- Three letters of recommendation
- A "Statement of Purpose" explaining why one wishes to apply to the PhD program in Epidemiology.
- A resume or curriculum vitae (optional)
- Copies of up to three peer-reviewed articles which the student has authored or co-authored (optional)

Curriculum Components

- Prerequisites (42 credits from MPH in Epidemiology)
- Coursework (50 credits)
 - Epidemiologic Theory, Methods & Data Analysis
 - Biological Methods
 - Clinical Epidemiology
 - Public Health
 - Biostatistics
 - Scientific Writing
 - Electives
- Mentored Research
 - Directed Studies with Faculty Advisor
 - Research Practicum
- Pedagogy
 - Instructional Methods
 - Teaching Practicum
- Seminar
- Doctoral Qualifying Exam
- Dissertation Proposal and Oral Defense of Proposal
- Dissertation and Public Defense of Dissertation

Only successfully completed courses with a grade of "B" or better can be counted toward degree requirements.

Financial Assistance

While students are ultimately responsible for meeting all costs of this degree program, opportunities may be available to mitigate part or all of the costs through scholarships and tuition waivers, research assistantships and other sources, depending on availability. Applicants are encouraged to inquire about these types of sources of funding at the time of application.

Download the application and eligibility requirements at www.publichealth.uams.edu

For More Information

Lori Fischbach, MPH, PhD
Director of the Doctoral Program
in Epidemiology
Department of Epidemiology
4301 W. Markham St., #820
Little Rock, AR 72205-7199
lafischbach@uams.edu

About UAMS

UAMS is Arkansas' only academic health center and trains the majority of health care professionals in the state. Because UAMS Medical Center is a teaching hospital, the university stays at the forefront of knowledge and technology that benefit not only the citizens of Arkansas, but individuals from across the nation and world.

About Little Rock

Recently named by Kiplinger's Magazine as the most livable city with a population of 1 million or less, Little Rock is Arkansas' capital and a hub for commerce, health care and culture. Nestled between the Ouachita Mountains and the Arkansas River, the city has the amenities of a larger metro area, but with a relaxed pace. It offers many attractions including the Clinton Presidential Center and Central High (a landmark of the early Civil Rights Movement), as well as the 88-mile urban Arkansas River Trail System and nightlife in the vibrant River Market District.

Our Mission

The mission of the Fay W. Boozman College of Public Health is to improve the health and promote the well-being of individuals, families and communities in Arkansas through education, research and service.

UAMS
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