



MS - Biostatistics

ABOUT THE PROGRAM

The MS program in Biostatistics with concentration in Biostatistics provides in-depth training on biostatistical analytical tools and their related theoretical background and prepares students to design, analyze and interpret complex biomedical and health data to contribute to evidence-based decision-making. The program may be completed full-time (in four semesters) or part-time (completion varies) on-campus.

IS THIS DEGREE FOR YOU?

- Students with a strong background in mathematics, statistics, or related fields who are interested in enhancing their skills in statistical methods, computing algorithms
- Those looking for the best analytical approaches in health, biomedical and clinical research
- Professionals in health and healthcare analytics

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 OUR GRADUATES ARE

Graduates of the program are employed in federal, state and local health departments, pharmaceutical companies, nonprofit organizations and hospitals as biostatisticians, clinical trials investigators or pursue doctoral studies.

MASTER OF SCIENCE IN BIostatISTICS

BIostatISTICS

36 CREDIT HOURS

TO APPLY:

- Completed SOPHAS application
- Undergraduate degree with minimum GPA of 3.0 and have completed Calculus I and Calculus II with a grade of B or higher
- Curriculum Vitae/Resume
- Statement of Purpose (400-500 words)
- Two (2) letters of recommendation
- Credentials evaluation for foreign transcripts
- Language proficiency test if language of instruction was not English



WHAT YOU WILL LEARN

Students learn to develop and apply advanced statistical and data analysis methods to model complex biological processes and their coupling with socioeconomic and environmental determinants.

CURRICULUM

CORE COURSES - 6 CREDIT HOURS

PUBH 7170 | Epidemiology in Public Health I

PUBH 7180 | Foundations of Public Health

CONCENTRATION COURSES - 21 CREDIT HOURS

MATH 6636 | Introduction to Statistical Theory

MATH 7654 | Inference Theory

PUBH 7150 | Biostatistical Methods I

PUBH 7152 | Biostatistical Methods II

PUBH 7309 | Applied Survival Analysis in Public Health

PUBH 7310 | Mixed Model Regression Analysis

PUBH 7311 | Applied Categorical Analysis

ELECTIVE COURSES - 6 CREDIT HOURS

In consultation with faculty and/or academic advisors

CULMINATING EXPERIENCE - 3 CREDIT HOURS

PUBH 7992 | Master's Project Seminar OR

PUBH 7996 | Master's Thesis



How to Apply

CONNECT WITH OUR TEAM

Meredith Ray, PhD

Associate Professor and Program Coordinator

901.678.5390 | maray@memphis.edu

Briana McNeil, MBA, M.Ed.

Recruitment & Admissions Coordinator

901.678.3740

sphadmissions@memphis.edu

Shirl Sharpe, MS

Academic Services Coordinator II

901.678.1710

SPHadvising@memphis.edu