MASTER OF SCIENCE IN
BIOSTATISTICS (MS)
CONCENTRATION IN BIOSTATISTICS

36 CREDIT HOURS

ADMISSION REQUIREMENTS:

- Bachelor's degree
- Minimum GPA of 3.0
- It is required that an applicant have a necessary mathematical and probability background.
- Three (3) letters of recommendation
- Statement of Purpose (750-1,00 words)
- Curriculum Vitae/Resume

THE UNIVERSITY OF MEMPHIS®
School of Public Health

ABOUT THE PROGRAM

The mission of the CEPH accredited Master of Science (MS) program is to provide a stimulating academic environment in a metropolitan setting that supports excellence and innovation in education, research and service to enhance the lives and health of individuals, families and communities in the Mid-South.

Compared to the MPH with Biostatistics concentration, the MS in Biostatistics with concentration in Biostatistics is more focused and provides in-depth training on biostatistical analytical tools and their related theoretical background.

WHAT YOU WILL LEARN

Through close work with professors and peers, MS students in this concentration will develop competence in data analyses with strong biostatistics analytical skills supported by in-depth understanding of underlying biostatistical theory, a deeper understanding of epidemiological aspects involved in public health problems and strong public health communication skills.

IS THIS DEGREE FOR YOU?

If you have a strong interest in contributing to public and population health at the level of the community, region, nation, or globe as a data science expert, with deep understanding of underlying health issues and the ability to identify the most efficient computing algorithms and best analytical approaches or if you have interest to continue as a doctoral student in Data Science or related fields, this degree is for you.

PROGRAM CURRICULUM

CORE COURSES
(6 CREDIT HOURS)
PUBH 7170 | Epidemiology in Public Health I
PUBH 7180 | Foundations of Public Health

BIOSTATISTICS/STATISTICS CORE COURSES
(21 CREDIT HOURS)
PUBH 7150 | Biostatistical Methods I
PUBH 7152 | Biostatistical Methods II
PUBH 7311 | Applied Categorical Analysis
PUBH 7309 | Applied Survival Analysis in Public Health
PUBH 7310 | Mixed Model Regression Analysis
MATH 6636 | Introduction to Statistical Theory
MATH 7654 | Inference Theory

ELECTIVES & ONE OF THE FOLLOWING
(12 CREDIT HOURS)
PUBH 7992 | Master's Project Seminar
PUBH 7996 | Master's Thesis

CONNECT WITH OUR ADMISSIONS TEAM

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PROGRAM OUTLINE:

6 hours | Core Courses
21 hours | Biostatistics concentration
6 hours | Elective courses
3 hours | Thesis or master's project