

PUBLIC HEALTH (M.P.H.) BIOSTATISTICS CONCENTRATION

Biostatistics is a public health discipline based on mathematical principles. It is a discipline that crosses all fields of public health, and biostatisticians are frequently consulted to address statistical problems in various fields of public health. Biostatisticians and epidemiologists work closely together in designing and analyzing studies.

Students in biostatistics are educated to acquire expertise in research, data analysis, data management, surveillance and monitoring, and problem solving. Emphasis is placed on understanding foundational theories in probability, sampling data, and utilization of statistical software packages.

Code	Title	Hours
Core Courses		
PHS 501	PUBLIC HEALTH & BEHAVIORAL SCI	3
PHS 502	PUBLIC HEALTH POLICY & ADMIN	3
PHS 503	BIOSTATISTICS AND COMPUTER APP	3
PHS 504	ENVRNMNTL & OCCUPATIONAL HEALT	3
PHS 505	PRINCIPLES OF EPIDEMIOLOGY	3
PHS 506	RESEARCH & QUANTITATIVE MTHDS	3
Required Concentration Courses		
PHS 571	STATISTICAL THEORY	3
PHS 522	MULTIVARIATE & PROBABLISTIC BI	3
PHS 572	STATISTICAL COMPUTER APPS	3
PHS 524	STAS METHODS FOR APPLIED EPIDE	3
PHS 601	ADVD BIOSTATS & CMPTR SCI APPL	3
Elective Courses		
Six credits of Elective courses ¹		6
Capstone Courses		
PHS 507	APPLIED MASTER'S PROJECT	3
PHS 508	PUBLIC HEALTH INTERNSHIP	3
Total Hours		45

¹ With approval from the faculty advisor and course instructor a student may take elective courses from other academic units at Jackson State University.