The Biostatistics (BIO) master's degree programs teach and develop statistical skills to put numbers into context as part of public health research for solving human health-related problems. With an MS or MPH in biostatistics, students will have the skills to collaborate on the design of biomedical studies, analyze data, and communicate the results for researchers. The entrance requirements are the same for both the MPH and the MS programs. MPH students intending to take more Biostatistics electives or continue with a PhD may need more time to complete both their required coursework and the PhD prerequisites. For these reasons, the majority of students in the Biostatistics program choose the MS program rather than the MPH.

MPH students must complete a minimum of 42 credits. To complete program requirements, students will choose electives, in consultation with their academic advisor.

PUBLIC HEALTH CORE REQUIREMENTS
12 CREDITS

The basic curriculum courses are offered online and on-campus:

- **PubH 6020** Fundamentals of Social and Behavioral Science (2 cr)
- **PubH 6102** Issues in Environmental & Occupational Health (2 cr)
- **PubH 6250** Foundations of Public Health (2 cr)
- **PubH 6320** Fundamentals of Epidemiology (3 cr) or **PubH 6341** Epidemiologic Methods I (3 cr)
- **PubH 6741** Ethics in Public Health: Professional Practice and Policy (1 cr)
- **PubH 6751** Management in Health Services Organizations (2 cr)

APPLIED PRACTICE EXPERIENCE
**PubH 7496** (1-3 cr)

INTEGRATIVE LEARNING EXPERIENCE
**PubH 7494** (1-3 cr)

BIOSTATISTICS CORE REQUIREMENTS
22 CREDITS

- **PubH 7405** Biostatistics: Regression (4 cr)
- **PubH 7406** Biostatistics: Design and ANOVA (4 cr)
- **PubH 7420** Clinical Trials (3 cr)
- **PubH 7450** Survival Analysis (3 cr)
- **STAT 5101** Theory of Statistics I (4 cr)
- **STAT 5102** Theory of Statistics II (4 cr)

ELECTIVES TO TOTAL 42 CREDITS

Beyond the required courses, additional credits may be taken (in consultation with your adviser) from any of the following: graduate-level courses related to Biostatistics, Statistics, or Public Health.