BIOSTATISTICS, M.S.

A minimum of 44 credit hours is required for the Master of Science with a major in Biostatistics. Students are required to have two semesters of calculus or will be expected to make up the deficit beyond the minimum program of study. Additional courses may be required to meet prerequisites or to accommodate electives. All department core courses must be passed with a grade of "B" or better. Failure to do so will necessitate repeating the course; these courses can only be repeated once. Course requirements are given below.

Learning Outcomes

- Students will demonstrate the ability to evaluate a given health related problem and to identify the most appropriate statistical technique (e.g., t-test, contingency table, correlation) for analysis.
- Students will demonstrate the ability to interpret the results of a statistical analysis and to communicate such interpretations in an easily comprehendible manner.
- Display a mastery of traditional and newly developed statistical techniques, including multi-variable methods for continuous and categorical data analysis.
- Students will demonstrate the ability to use statistical software packages to obtain, manage, and analyze public health data.
- Students will demonstrate the ability to finish a thesis and communicate the results.