Applied Biostatistics and Epidemiology (MS) Learning Objectives

The goal of the M.S. program in Applied Biostatistics and Epidemiology (ABEP) is to provide students with training in statistical methods and software to apply to common statistical problems that arise in biomedical research. Students in the MS ABEP program will have training in statistical modeling techniques to prepare them for employment related to the application of biostatistical methods in biomedical research and practice and in epidemiological methods and concepts to provide a background for further graduate studies or work in public health as well as other epidemiologic research and service settings.

Graduates of our MS program in ABEP are therefore able to:

1. Demonstrate a solid grounding in the standard techniques of statistical analysis and study design
2. Demonstrate a background in underlying mathematical statistical theory
3. A thorough understanding of the use of standard statistical software for statistical analysis and data management and reporting
4. Describe and apply a variety of epidemiologic concepts and methods to the study of population health