PhD in Biostatistics Program Level Competencies

- Apply descriptive and inferential methodologies according to the type of study design for answering a particular research question.

- Communicate understanding of the assumptions necessary for a given statistical procedure as well as the ability to determine if the assumptions are met for a given study design or data set.

- Demonstrate the ability to identify, articulate and implement sound study design, methodological and computational strategies for addressing scientific questions.

- Demonstrate the ability to communicate effectively in writing reports, giving oral presentations, and teaching basic statistical material in a formal classroom or seminar setting.

- Demonstrate the use of statistical theory necessary for the development and study of new statistical methods or to adapt existing methods to new or unique problems.

- Be capable of assuming positions of leadership in a career in academia, research, institutes, government or industry.