MS in Biostatistics Program Level Competencies

- Demonstrate understanding of basic concepts of probability, random variation and commonly used statistical probability distributions.

- Demonstrate the ability to skillfully engage in statistical collaboration with mentors, colleagues, and clients.

- Recognize strengths and weaknesses of proposed statistical approaches, including alternative designs, data sources, and analytical methods.

- Suggest preferred methodological alternatives to commonly used statistical methods when assumptions are not met.

- Demonstrate advanced competencies in areas of professional expertise and scholarship enabling advancement to further postgraduate study in statistics or biostatistics.