MS in Epidemiology Program Level Competencies

- Select appropriate study design for assessing the association between a given exposure and an outcome, and then understanding advantages and limitations of these approaches.

- Critique and synthesize appropriate literature and research findings to address a research question.

- Identify potential sources of bias for various study designs and their impact on study quality.

- Conduct descriptive and analytic analyses, including strategies to assess confounding and effect modification methods, to make statistical inferences.

- Describe public health surveillance systems and their underlying data sources.

- Demonstrate ability to manage and analyze epidemiological data from a variety of sources.

- Organize and deliver clear presentations of research findings in varying professional formats to diverse audiences.