

Clinical Investigation, MS

Program Competencies

Graduates will be able to:

- discuss issues related to biomedical informatics impacting clinical research;
- summarize requirements for building and maintaining a multidisciplinary research team;
- describe health and disease measurement in clinical and community populations;
- describe how to implement a clinical research study;
- develop a clinical research question;
- apply principles of responsible research and clinical research ethics to a research project;
- determine a study aim, objectives, and appropriate design to address a hypothesis;
- analyze epidemiologic data with descriptive analysis and regression models, including linear and logistic regression;
- analyze literature to identify gaps in knowledge; and
- communicate clinical research findings effectively.