Clinical Investigation, MS

Learning Outcomes

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;
• use computers to collect, manage, and analyze data for evaluation of hypotheses;
• determine a study aim, objectives, and appropriate design to address a hypothesis;
• analyze data using appropriate statistical techniques;
• analyze literature to identify gaps in knowledge; and
• communicate clinical research findings effectively in writing and oral presentations.