

School of Medicine Biomedical Sciences MS

Broad Learning Goals

- A. Competent, skilled experimentalists
- B. Problem solvers
- C. Critical and independent thinkers
- D. Expert in the field with both depth and breadth of knowledge
- E. Excellent communicators
- F. Exemplars of high ethical standards

Student Learning Outcomes

1. Set up and conduct experiments that produce tangible results. Operate equipment and execute methods required for project completion.
2. Diagnose, evaluate, test and determine how to overcome technical and practical problems.
3. Analyze critique and dissect biological problems. Formulate new hypotheses based on available data, devise strategies for hypothesis testing, and organize and analyze data for publication.
4. Explain and illustrate discipline-specific subject matter. Interpret and evaluate primary literature.
5. Succinctly explain and summarize state of knowledge in field, interpretation of results and conclusions in oral and written form.
6. Demonstrate working knowledge of responsible conduct in research. Critically reflect on ethical problems.