

College of Pharmacy

M.S in Pharmaceutical Sciences

Broad Learning Goals

- A. Assembling and summarizing scientific literature
- B. Written and oral communication
- C. Critical thinking
- D. Ethics and responsible conduct
- E. Designing a scientific study
- F. Capstone project

Student Learning Outcomes

- A1. Assemble a comprehensive body of published research and draw an accurate conclusion about the state-of-the-science on a specific topic.
- A2. Read, accurately interpret and critically analyze procedures (including error identification), results and conclusions from discipline-specific published research.
- A3. Identify and succinctly communicate key hypotheses, theories, controversies, and seminal works related to the research concentration

- B1. Clearly communicate, in oral and written form, results from a variety of discipline-specific scientific research.

- C1. Demonstrate independent critical thinking about key topics and issues in the research concentration.
- C2. Identify potential errors in and limitations of key research studies related to work.

- D1. Demonstrate knowledge of responsible and ethical conduct and research, including requirements for human subjects, use of animals in research, conflict of interest, data processing, and data reporting.

- E1. Design and implement discipline-specific scientific research that, if implemented, would produce valid, tangible results.

- F1. Complete a high quality thesis, comprehensive examination, or extensive thematic research paper, as required by the concentration.