

## **Objectives and outcomes for PhD PharmSci graduate program**

**Objective A:** To prepare graduates for careers as successful professionals in academia, industry, health care, and private institutions dedicated to the promotion of human health and wellness.

- A-1. Achieve mastery of knowledge in the general field of Pharmaceutical Sciences.
- A-2. Develop the expertise to use appropriate methodologies to solve novel and emerging problems related to the field of Pharmaceutical Sciences.
- A-3. Disseminate research findings to local, regional, national, and international audiences primarily through publication in peer-reviewed journals and presentations at conferences.
- A-4. Participate in professional organizations, including becoming members, attending meetings, and taking leadership roles where appropriate.
- A-5. Participate in teaching, internships, fellowships, workshops, credentialing and grant applications to enhance competitiveness for career opportunities as appropriate.

**Objective B:** To prepare students to be effective and innovative researchers.

- B-1. Train students in critical, integrative, and evaluative thinking at the highest levels of rigor
- B-2. Develop advanced written and oral communication skills.
- B-3: Become independent, self-motivated researchers with the ability to identify specific problems in their field of expertise and to formulate solutions to these problems.
- B-4. Develop a comprehensive knowledge of previous and current research in their field of expertise and be able to demonstrate that knowledge capability in a review of the literature at a level that is potentially publishable.
- B-5. Generate innovative questions within their field of expertise and pose hypotheses related to those questions.
- B-6. Apply sound methodological approaches to test hypotheses related to specific research questions and describe the methods effectively.
- B-7. Perform statistical analyses of research data and present the results in a way that clearly describes the data.

**Objective C:** To enhance visibility of the College of Pharmacy doctoral programs nationwide and internationally.

- C-1. Attract and retain high-quality graduate students.
- C-2. Provide effective mentoring that encourages students to graduate in a timely manner.

C-3. Attract, retain, and support nationally- and internationally-recognized research-active faculty members who contribute to the College of Pharmacy Graduate program