LEARNING OUTCOMES: ANIMAL SCIENCES, PHD

Learning Outcomes for the Doctor of Philosophy in Animal Sciences

The recipient of a Doctor of Philosophy in Animal Sciences will demonstrate:

1. Graduate-level understanding of advanced concepts and approaches in the area of animal science specialization. The advance concepts will enable the graduate to secure a leadership position in industry or federal agencies or a professor position in academia and to advance throughout the professional ranks.

2. Capacity to independently execute dissertation research including:
   a) ability to formulate hypothesis and research objectives, to use appropriate materials, methods and advanced data analysis approaches, and to evaluate the results; and b) leadership on the implementation of the scientific method and research activities, interpretation of findings, and identification of implications.

3. Ability to effectively communicate advanced disciplinary knowledge and dissertation research findings in oral and written formats.

4. Aptitude to lead interdisciplinary research and education efforts to improve food security, food safety, animal and human health and well being or environmental stewardship.