

# ANIMAL AND DAIRY SCIENCES, PHD

## LEARNING OUTCOMES

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1. Synthesize relevant scientific literature related to individual research in the field of animal and dairy sciences to justify and assess the purpose and impact of proposed research
2. Apply critical scientific thought to identify a research problem in the field of animal and dairy science, form a hypothesis, and deploy appropriate methods and tools to test that hypothesis
3. Implement rigorous, objective, and thorough statistical analysis methods and tools to collect, analyze, and interpret data related to an individual research topic in the field of animal and dairy sciences
4. Discuss and evaluate individual research findings in the field of animal and dairy sciences with a scientific audience in written and oral formats
5. Convey complex topics in the field of animal and dairy sciences to a non-scholarly audience