Program Learning Goals & Outcomes

Horse Science

Understand horse production and management practices
- Demonstrate skills required to care for horses
- Apply knowledge related to horse production and management
- Compare management practices between breeds, disciplines and uses

Understand the biological principles of animal production systems
- Explain the anatomy and physiology of the estrous cycle
- Compare digestion and metabolism in monogastrics, ruminants and cecal digesters
- Diagnose and present solutions to production problems using biological principles
- Describe the principles of genetic inheritance and their effect on animal performance

Appreciate data-driven decision making and problem solving
- Design horse herd nutritional and disease prevention plans
- Formulate cost effective management strategies based on market fluctuations
- Synthesis and critique solutions to management problems/issues

Become familiar with communication and interpersonal skills to effectively work in the equine industry
- Demonstrate effective written communication skills
- Demonstrate effective oral communication skills
- Practice skills to become a cooperative team member

Agricultural and Engineering Technologies

The Ohio State University
College of Food, Agricultural, and Environmental Sciences