Livestock Science

**Program Learning Goals & Outcomes**

**Understand livestock production and management practices**
- Develop skills required to care for livestock
- Apply knowledge related to livestock production and management

**Understand the biological principles of animal production systems**
- Describe the principles of genetic inheritance and their effect on animal performance
- Discuss monogastric and ruminant digestion and metabolism
- Explain the anatomy and physiology of the estrous cycle

**Appreciate the importance of collecting accurate information and using sound logic in decision making and problem solving**
- Evaluate herd management situations

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