

# Program SLOs Animal Science

A.S. – Equine Science

## **A.S. Equine Science – Student Learning Outcomes\* (listed under Agriculture in SOCRATES)**

**SLO 1** Describe the processes involved and outline major events in the evolution and domestication of the horse.

**SLO 2** Formulate a disease and parasite prevention program for equine.

**SLO 3** Describe career opportunities and requirements for successful employment in the equine industry.

**SLO 4** Relate basic genetic principles to techniques in breeding selection and mating programs.

**SLO 5** Identify anatomy and describe physiology of the male and female equine reproductive tract.

**SLO 6** List and explain the correct use of specialized insemination tools.

**SLO 7** Develop and maintain bookkeeping and record systems.

**SLO 8** Develop a ranch plan for an equine facility, incorporating legal requirements and regulations.

**SLO 9** Identify parts of the equine gastrointestinal system and describe the function of each.

**SLO 10** Implement a sound feeding program based on the type and amount of work performed.

**SLO 11** Assess the function and importance of each nutrient as it pertains to equine nutrition.

**SLO 12** Demonstrate basic handling of the horse including catching, haltering, leading and tying.

\*Developed through the Curriculum Committee review process.