

Equine Science Certificate

The Equine Science Certificate Program is designed to increase the number of potential job opportunities in the equine industry to the student whose curricula does not include equine related courses. The program also provides the opportunity for pre-vet students to increase their equine knowledge and horse handling skills. In addition, it will allow students with horse experience to further enhance their knowledge in equine science for personal enrichment.

The program will require the completion of a minimum of 20 credit hours of Equine science related courses. Selection of courses from the approved list will provide scientific and practical concentration within Equine Science regardless of the declared major of the student. The student may choose to complete the program concurrent with pursuit of degree in any of the eight colleges at Kansas State or some may elect to concentrate on only the Certificate Program. All students must be formally admitted to K-State in order to participate in the program.

Program Requirements (minimum of 20 credit hours required)

A number of equine-specific courses are currently offered in the department, preparing students for careers within the industry or for entry into the college of Veterinary Medicine. Many of these classes involve hands-on activities in which students gain valuable experience working directly with the University's horses. To complete the Equine Science Certificate students must complete 20 credit hours from the following courses.

- **ASI 521- Horse Science Credits: 3**

Select 17 Hours

- **ASI 107- Companion Animal and Horse Lab Credits: 1**
- **ASI 325- Beginning Horse Evaluation Credits: 2**
- **ASI 326- Advanced Horse Evaluation Credits: 2**
- **ASI 333- Equine Enterprise Management Credits: 1**
- **ASI 345- Beginning Horse Training and Management Credits: 2**
- **ASI 395- Intermediate Horse Training and Management Credits: 2**
- **ASI 403- Foaling Credits: 1**
- **ASI 444- Equine Health Credits: 3**
- **ASI 445- Advanced Horse Training and Management Credits: 2**
- **ASI 504- Equine Reproductive Management Credits: 3**
- **ASI 505- Equine Reproductive Management Lab Credits: 1**
- **ASI 602- Equine Breeding and Genetics Credits: 2**
- **ASI 661- Animal Sciences and Industry Problems Credit: variable***
- **ASI 662- Special Topics in Animal Science (must be equine related) Credits: 0-6**
- **ASI 678- Equine Nutrition Credits: 1**
- **ASI 695- Principles of Equine Exercise Physiology Credits: 3**
- **Additional experiential learning courses (maximum of 3 credit hours, must be equine related):**
 - ***ASI 561- Undergraduate Research in Animal Sciences and Industry Credits: 0-3**
 - ***ASI 599- Animal Science Internship Credits: 1-6**
 - ***ASI 660- International Study Experience in Animal Science Credits: 0-6**
 - * **ASI 661- Animal Sciences and Industry Problems Credit: variable**

***Maximum 3 credit hours from the following experiential learning courses: ASI 561, ASI 599, ASI 660, ASI 661 (must be equine related)**