Animal Science Program of Study

Prepare for your future in veterinary science by gaining hands on experience working with live animals while also earning your Certified Veterinary Assistant Level 1 license.

RECOMMENDED COURSE SEQUENCE

1 **Principles of Agriculture, Food & Natural Resources** (1 credit) (9th - 10th Grade)
This course is designed to prepare students for careers in agriculture, food, and natural resources and introduces the basics of global agriculture. Students are encouraged to participate in their campus chapter of FFA.

2 **Small Animal Management & Equine Science** (1/2 credit each) (10th – 11th Grade)
These courses prepare students for careers in animal science by teaching about the importance of responsible animal care.

OR

2 **Livestock Production** (1 credit) (10th-11th Grade)
This course is designed to prepare students for careers in the field of animal science with a focus on large animal management including beef cattle, dairy cattle, swine, sheep, goats, and poultry.

3 **Veterinary Medical Applications*** (Fall at HCTC) (1 credit) (11th – 12th Grade)
This course is designed to cover topics relating to veterinary practices for large and small animal species. Students will gain knowledge and skills regarding career opportunities, entry requirements and industry expectations.

Advanced Animal Science* (Spring at HCTC) (1 credit) (11th – 12th Grade)
The course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Students apply scientific and technological aspects of animal science through field and laboratory experiences.

4 **Practicum in Agriculture: Veterinary Science*** (2 credits) (12th Grade)
Students will gain practical experience applying knowledge and skills necessary for taking the Certified Veterinary Assistant exam. Students will work both in the classroom and animal clinics to prepare for the exam.

For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.

*Indicates a TEA approved Advanced CTE Course