



# ANIMAL SCIENCE

**Career Cluster:** Agriculture, Food, and Natural Resources

**Endorsement:** Business & Industry

## High School Course Sequence:

### Level One

Principles of Agriculture, Food, and Natural Resources

### Level Two

Small Animal Management and Equine Science

### Level Three\*

### Level Four\*

Advanced Animal Science (KCC), and Veterinary Medical Applications (KCC), and Practicum in Agriculture, Food, and Natural Resources

\*Indicates Advanced Courses

**A CTE Completer is a student who completes three or more CTE courses for four or more credits including one Level 3 or 4 (advanced level) CTE course within a program of study will fulfill the requirements of a Business and Industry Endorsement.**

The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

## CAREER OUTLOOK\*\*

Occupation	Texas Outlook			National Outlook		
	Median Wage	Annual Openings	Growth	Median Wage	Annual Openings	Growth
Veterinary Assistants and Laboratory Animal Caretakers	\$25,780	1,000	25%	\$28,590	18,100	19%
Licensed Veterinary Technician	\$31,070	1,040	25%	\$35,320	11,800	19%
Veterinarian	\$101,240	320	25%	\$95,460	5,100	18%

\*\* Career Outlook information derived from O\*NET Online at <https://www.onetonline.org/>

## INDUSTRY CERTIFICATIONS & EDUCATION

Industry Certification Offered at the KISD Career Center	Certification/ License	Associate's Degree	Bachelor's Degree	Master's/ Doctoral/ Professional Degree
Certified Veterinarian Assistant Level 1	Certified Veterinarian Assistant Level II & III	Licensed Veterinary Technician	Biomedical Sciences	Veterinarian

## HIGH SCHOOL COURSE INFORMATION

Course Name	Service ID	Prerequisite(s)	Grade(s)
Principles of AGFNR	13000200 (1 Credit)	None	9-12
Small Animal Management	13000400 (0.5 Credit)	None	10-12
Equine Science	13000500 (0.5 Credit)	None	10-12
Livestock Production	13000300 (1 Credit)	None	10-12
Veterinary Medical Applications	13000600	Equine Science, Small Animal Management, or Livestock Production	11-12
Advanced Animal Science	13000700	Biology and Chemistry or IPC; Algebra I and Geometry; Small Animal Management, Equine Science, or Livestock Production; Recommended Veterinary Medical Applications	12
Practicum in AGFNR	13002500	Veterinary Medical Applications	12

## CAREER EXPLORATION & WORK - BASED LEARNING OPPORTUNITIES

Possible Career Exploration Activities	Possible Work-Based Learning Opportunities
<ul style="list-style-type: none"> <li>Job Shadowing with a Veterinarian or Animal Shelter</li> <li>Participate in FFA (CTSO)</li> </ul>	<ul style="list-style-type: none"> <li>Intern with a Veterinarian Office</li> </ul> <p><i><b>Note:</b> If you have an internship during high school, talk with your counselor about taking Career Prep.</i></p>

## FIND COLLEGES & UNIVERSITIES OFFERING CERTIFICATES & DEGREE PLANS IN THIS FIELD

Log into Naviance and use the College Supermatch Tool to find colleges offering degree plans in this field.

### NAVIANCE ACCESS

All Killeen ISD students (7th-12th graders) should login to their Naviance account through Clever:

- Go to your Clever portal: <https://clever.com/in/killeenisd>



- Username: school username  
Password: school password

- Click on: Naviance



## ARMED FORCES CAREER INFORMATION

**Animal Care Specialist** – U.S. Army

**Builder** – United States Navy

**Engineering Specialist** – United States Air Force

**Engineering Aid** – United States Navy

**Geospatial Engineer** – United States Army

**Geospatial Intelligence Imagery Analyst** – United States Army

**This is not a comprehensive list.**

### **Local Armed Forces Recruiter Contact Information:**

Air Force – (254) 247-8992

Army – (254) 690-8554

Army National Guard – (903) 262-6355

Marines – (254) 690-2626

Navy – (254) 690-2096

\*See your school counselor to connect with a military recruiter for career counseling and to take the ASVAB in high school.