



Animal Science

2 YEAR PROGRAM

HARKNESS, KENTON, POTTER

PROGRAM SUMMARY

- Practice real world diagnostics, animal restraint, grooming techniques, and assess animal vital signs in our hands-on pet clinic.
- Participate in an internship according to your individual interests at veterinary hospitals, animal training facilities, dairy farms, stables, and grooming salons.
- Meet informative industry professionals such as local wildlife rescue, rehabilitation experts and representatives from the veterinary and animal care industry.
- Explore a variety of career opportunities including licensed veterinary technicians, laboratory animal technicians, pet grooming and veterinary science.
- Study small animals, large animals, exotics, wildlife and more!

COLLEGE CREDIT CONNECTIONS

- Alfred State College
- Medaille College
- Morrisville College

SPECIAL NOTES

- Updated tetanus vaccine required.
- Students with allergies to animals should speak to a physician before starting this program.

PROGRAM ELIGIBILITY

- Technical Endorsement
- 3.75 Credits per Year
- Pathways to Graduation (CTE and CDOS)

Career Paths

PROFESSIONAL CAREERS

Agricultural Careers
 Animal Science Instructor
 Biologist
 Holistic Specialists
 Marine Biologist
 Pharmacology Researcher
 Veterinarian
 Zoologist

TECHNICAL CAREERS

Fisheries and Wildlife
 Game Warden
 Laboratory Animal Technician
 Licensed Veterinary Technician
 Physical Rehabilitation
 Wildlife Rehabilitator

ENTRY LEVEL CAREERS

Animal Production
 Animal Shelter Worker
 Groomer
 Kennel Assistant
 Pet Therapy
 Retail
 Veterinary Assistant

FIRST AID

- Handling, Restraint and Transportation
- CPR on Cat and Dog Manikins
- Assessment, Triage and Treatment of Emergencies
- Physical Exams and Methodologies
- Vital Ranges for Dogs and Cats
- Bandaging
- First Aid Performance

GROOMING

- Nail Clipping and Ear Cleaning
- Bathing and Drying
- Scissoring and Clipping
- Identification and Care of Grooming Tools
- Client Interaction
- Records Maintenance

SURGICAL NURSING

- Suturing and Wound Healing
- Surgical Gloving, Gowning, and Draping
- Pharmacology and Case Studies

CLINICAL SKILLS

- Microscope
- Ophthalmoscope
- Otoscope
- Stethoscope
- Parasite Identification
- Blood and Fecal Handling and Processing
- Urinalysis
- Syringe Measurements and Injections

HEALTH AND MEDICINE

- Anatomy and Physiology
- Nutrition for Companion Animals
- Vaccination Protocol
- Zoonotic Diseases and Risks

HUSBANDRY AND REPRODUCTION

- Housing Requirements
- Gestation and Pregnancy
- Neonatal Care
- History of Domesticated Animals
- Feeding Requirements

