Animal Science

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

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

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

ENTRY LEVEL CAREERS
Groomer
Veterinary Assistant
Kennel Assistant
Animal Shelter Worker
Retail
Pet Therapy
Animal Production
ANIMAL SCIENCE

FIRST AID
- Handling, Restraint & 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