Butler Tech Veterinary Science
Essential Skills Profile

This profile provides an outline of the skills required for the successful completion of this career program. Additional information is located on the Butler Tech website at: https://www.butlertech.org/high-school/ and selecting the corresponding career program.

Recommended WorkKeys® Scores for Veterinary Science

Applied Mathematics - 3	Graphic Literacy - 3
Workplace Documents - 4	

*Practice tests and more information at www.act.org/workkeys

Skills

Active Listening	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Biology	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.
English Language	Monitoring / Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Teamwork	Working well with others in close contact in a fast-paced environment observing and problem-solving.

Abilities Required

Strong memorization skills	Handle chemical and animal smells and contacts
Consideration and understanding of allergies such as pet/animal/hay	Handling feces, urine, getting dirty, and other conditions associated with working with animals
Handling unfamiliar, exotic, and large and small animals	Lifting and handling 50 pound bags of feed and bedding.

Knowledge Required in Veterinary Science

Customer and Personal Service	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
Biology	Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.
English Language	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Veterinary Science Activities

- Hold or restrain animals during veterinary procedures.
- Monitor animals recovering from surgery and notify veterinarians of any unusual changes or symptoms.
- Observe the use of anesthetics during surgery and monitor the effects on animals.
- Introduction to filling medication prescriptions.
- Clean and maintain kennels, animal holding areas, examination or operating rooms, or animal loading or unloading facilities to control the spread of disease.
- Examine animals to detect behavioral changes or clinical symptoms that could indicateillness or injury.
- Perform routine laboratory tests or diagnostic tests, such as blood work and urinalysis.
- Assist veterinarians in examining animals to determine the nature of illnesses or injuries.
- Administer medication or immunizations, to animals as prescribed by veterinarians.
- Collect laboratory specimens, such as blood, urine, or feces, for testing.
- Clean, maintain, and sterilize instruments or equipment.
- Perform office reception duties, such as scheduling appointments or helping customers.
- Record information relating to animal genealogy, feeding schedules, appearance, behavior, or breeding.
- Provide first aid and care to sick or injured animals.
- Prepare surgical equipment and pass instruments or materials to veterinarians duringsurgical procedures.
- Educate or advise clients on animal health care, nutrition, or behavior problems.
- Prepare examination or treatment rooms by stocking them with appropriate supplies.
- Prepare feed for animals according to specific instructions, such as diet lists or schedules.
- Provide assistance with euthanasia of animals or disposal of corpses.
- Write reports, maintain research information, or perform clerical duties.
- Perform hygiene-related duties, such as clipping animals' claws or cleaning and polishing teeth.
- Perform accounting duties, such as bookkeeping, billing customers for services, ormaintaining inventories.
- Exercise animals or provide them with companionship.
- Place orders to restock inventory of hospital or laboratory supplies.
- Sell pet food or supplies to customers.
- Dust, spray, or bathe animals to control insect pests.
- Groom, trim, or clip animals' coats.

Technology

Word Processing Software	Office Suite Software
Medical Software	Label Making Software
Calendar and Scheduling Software	

Personality

Realistic: People interested in this work like activities that include practical, hands-on problems and solutions. They do well at jobs that need:	
Dependability	Self-Control
Integrity	Cooperation
Attention to Detail	Persistence

Available Certifications

OSHA 10-hour (1 Point)	CPR/First Aid Certification (1 Point)
Elanco Fund. Of Animal Science Certification (6 Points)	Elanco Veterinary Medical Applications (6 Points)
Rise-Up Retail Industry Fundamentals (6 Points)	Rise-Up Customer Service & Sales (6 Points)

Possible College Credits

College Credit Plus in English, Math, Social Studies, or Science	Must be preapproved. Must pass a college course at an Ohio college or College Credit Plus class at Butler Tech.
Career Technical Credit Transfer	The Ohio Transfer to Degree Guarantee helps career and technical students transfer credits earned in high school to community college or four-year degree programs. The credit can be used at any Ohio public college or university: • If you successfully completed your career-technical program and passed certain required assessments. • If you attend a similar program at a public Ohio college or university. For more information, go to www.transfercredit.ohio.gov
Articulated Credit	Butler Tech has agreements with certain colleges; if you attend one of those colleges you can get credit toward a specific degree.

*Additional college or post-secondary education may be required in this field

Possible Career Pathways

Veterinary Assistant	Bather/Groomer/Brusher
Laboratory Animal Caretakers	Kennel Operator / Doggy Day Care Manager
Pet Shop Employee	Zoo Animal Caretaker
Pet Stylist	Veterinarian
Animal Control Officer	Veterinary Technician
Marine Biologist	Wildlife Rehabilitation
Equine Surgery Technician	Naturalist
Livestock Production Manager	Veterinary Sales Representative / Veterinary Office Manager