Collin College Veterinary Technology Technical Standards

The Veterinary Technology program complies with the Americans with Disabilities Act (ADA) and consistent with the ADA, the Functional Abilities/Core Performance Standards Worksheet provides the framework to relate functional ability categories and representative activities/ attributes to any limitations/deficits in functional abilities. These standards shall be used by the Veterinary Technology program in combination with the professional scope of practice, job analysis, other resource, and expert consultation to make decisions related to the ability of the veterinary technology student to perform the essential functions.

The student must be able to meet the following requirements to apply for admission and continuation in the program:

Essential Functions	Examples	Skills
Gross motor ability	• Move within confined spaces • Sit/Stand and maintain balance • Reach above shoulders and below waist	Function in a small, confined exam rooms in order to perform procedures on a patient. Must also read medical record and SOAP notes, equipment settings and/or equipment displays. Be able to sit or stand to record finding. Change equipment settings above head and below waist.
Fine motor ability	• Pick up/and or grasp objects with hands • Write clearly and neatly with pen or pencil • Type on a keyboard • Twists knobs with hands • Prepare medications aseptically • Must have adequate manual dexterity to be capable of maintaining sterility	Lift medication vials to eye level to read. Squeeze medication vials to empty. Grasp, hold and read small instruments as volume measuring devices. Write in patient medical record. Record patient data. Change settings on equipment by turning knobs. Manage IV lines, syringes, IV catheter placement, and all standard surgical equipment. Obtain information from patient by palpation, musculo-skeletal manipulation, venipuncture, and needle aspirations.
Physical endurance & strength	• Sustain repetitive movement (CPR) • Maintain physical stamina • Walk/Stand for prolonged shifts • Lift 50 pounds, up to 100 pounds w/assistance.	Demonstrate stability, mobility, balance, strength and agility to assist and safeguard patients during transfer and daily, relevant, meaningful activities. Be able to safely lift and carry 50 lbs and balance, at times, animals in excess of 50 lbs. (up to 100 lbs. with assistance) from the floor to an exam or surgery table. Be able to stand on their feet for periods in excess of 1 hours.
Mobility	• Twist • Bend • Stoop/Squat • Move quickly • Climb ladder/stairs • Walk	Safely lift, move, adjust, transfer, or position patients and equipment using proper body mechanics. Be able stoop, bend, twist, reach, and safely restrain different species of animals including large domestic animals, exotic animals, and laboratory animals. Gather equipment and manually resuscitate patient without delay. Make rapid adjustments if needed to ensure patient safely.
Hearing with Correction	• Hear normal speaking level sounds • Heart body sounds • Hear auditory alarms • Hear sounds with stethoscope • Hear in situations not able to see lips	Listen to patient breath sounds and determine the intensity and quality of patients breathing. Hear calls for assistance or audible alarms such as monitor alarm. Recognize vocalization and auscultate heart and lung sounds to determine normal vs. abnormal. Receive, assess, and interpret verbal communications from clients, fellow students, and staff.
Visual with Correction	• See object more than 20 inches away • Use peripheral vision • Distinguish color and intensity • Use depth perception	Read patients charts to determine correct therapy. Visually assess patient and interpret non-verbal responses such as aggression. Read settings on monitors and equipment. Observe gait and behavior in a given animal.
Smell	• Detect odor from patients • Detect smoke, gas or noxious smell	Assess for noxious odors originating from the patient or environment – gas leak or smoke
Tactile	• Feel vibrations • Detect surface and environmental temperatures • Feel the difference in surface characteristics	Palpate a pulse and detect changes or abnormalities of surface texture, skin, muscle tone, and temperature.
Arithmetic & Reading	• Use measuring tools • Convert numbers to metric • Able to perform basic math • Read doctors orders, written documents, digital displays	Read and interpret patient graphic charts and graphic displays. Calculate medication dosages, convert temperature, and other functions. Read and interpret notes and data in a reasonable amount of time to ensure safe and effective patient care.

Emotional Stability	• Show appropriate compassion through communication • Establish therapeutic boundaries • Adapt to changing environment • Monitor own emotions • Provide patients with appropriate emotional support	Provide safe patient care despite a rapidly changing and intensely emotional environment. Perform multiple tasks concurrently. Maintain enough composure to provide safe and effective patient care despite a crisis.
Analytical Thinking	• Process Information • Evaluate outcomes • Problem Solve • Prioritize tasks • Use long and short term memory	Evaluate different sources of diagnostic information to help veterinarian arrive at a patient diagnosis. Evaluate priorities in order to provide for the most appropriate care. Appropriately evaluate data in order to notify a veterinarian when necessary
Critical Thinking	• Identify cause-effect relationships • Synthesize knowledge and skills • Sequence information	Communicate effectively with disagreeable patients, clients, doctors, and other staff in order to meet therapeutic goals for patient.
Interpersonal Skills	• Negotiate interpersonal conflict appropriately • Respect differences in clients • Establish rapport with clients and co-workers • Work effectively with veterinarians, staff, patients and clients.	Communicate effectively with disagreeable patients, clients, doctors, and other staff in order to attempt to meet therapeutic goals for the patient.
Communication Skills	• Explain procedures • Interact with others • Convey information through speaking, writing and data entry, clearly and distinctly	Communicate effectively and appropriately with doctors, clients, and other staff in order to provide for effective and efficient patient care.