

CENTRAL PIEDMONT COMMUNITY COLLEGE
ESSENTIAL FUNCTIONS FOR: CARDIOVASCULAR TECHNOLOGY PROGRAM

Students: The following are the requirements that I must be able to perform, with or without reasonable accommodations, in order to enter, remain in and complete the CVT program and become employable.

Category of Essential Function	Definition	Example of Technical standard
Critical Thinking/ Problem Solving	Ability to measure, calculate, reason, analyze, integrate and synthesize information sufficient for clinical judgment.	• Apply information, evaluate the meaning of data and engage in critical thinking in the classroom and clinical setting • Identify cause-effect relationships in clinical situations • Concentrate to correctly perform clinical tasks within the scope of practice and transfer knowledge from one setting to another • Respond appropriately to constructive feedback • Manage time effectively. • Prioritize actions safely and efficiently • Ability to solve math problems with determination of time, weight, measure, flow, volume and other basic mathematical calculations (ratios, fractions, etc.)
Communication	Ability to effectively communicate using English verbal and non-verbal formats with faculty, patients, families, fellow students and all members of the multi-disciplinary team to monitor and assess patient and equipment function	• Demonstrate the ability to actively listen, clarifying, responding to verbal and non-verbal behavior, respecting the personal space of others. • Use professional, appropriate grammar and cultural sensitivity in written and oral communication • Utilize computers correctly, effectively and professionally to acquire information and to communicate with others
Interpersonal	Appropriate interpersonal interaction sufficient to work collaboratively with healthcare team, patients and families	• Capable of establishing and recognizing interpersonal boundaries. • Interacts appropriately with all individuals, families, and groups from a variety of social, emotional, cultural and intellectual backgrounds. • Shows respect for individuals of different ages, ethnic backgrounds, religion and/or sexual orientation. • Employs basic conflict management skills, demonstrating professional demeanor and behavior and must perform all aspects of work in an ethical manner in relation to peers, faculty, staff and patients.
Behavioral Skills	Present self in a professional manner in clinical and academic settings, demonstrating integrity, accountability and	• Demonstrate caring for others, initiative, flexibility, enthusiasm, honesty, cooperation. • Recognize personal limitations and request assistance as appropriate. • Performs duties efficiently, willingly, and thoroughly. • Demonstrate the ability to conform to appropriate standards of dress, appearance, language and public behavior. • Advocate, uphold and defend a patient's right to privacy and the doctrine of confidentiality

	reliability.	
Emotional Stability/Coping Skills	Function effectively and adapt to circumstances including highly stressful or rapidly changing situations.	• Capable of managing heavy schedules and deadlines; multiple priorities; and perform in fast-paced situations • Adapt to changing environment and stress. • Deal with the unexpected, capable of focusing attention on the task at hand. • Handle strong emotions calmly and professionally. • Establish therapeutic boundaries
Physical Abilities	Sufficient physical endurance to participate fully in the clinical and academic settings at an appropriate level.	• Lift a minimum of 30 pounds. • Exert a sustained force of 20 pounds, push/pull mobile equipment weighing up to 300 pounds. • Stand for prolonged periods wearing a 12-20 pound lead apron. • Walk an equivalent of five miles per day. • Sit for periods of one hour. • Move a 400 pound incapacitated person as a team of four.
Motor Skills (fine & gross)	Sufficient motor function to execute movements required to perform duties with the ability to engage in skills requiring the use of gross and fine motor manipulation of arms, hands and fingers.	• Safely maneuver equipment and patients to safely perform duties within scope of practice. • Grasp small objects, pick up objects with hands • Ability to administer cardiopulmonary resuscitation procedures • Ability to seize, grasp, grip, hold, turn or otherwise work with hands and fingers • Work with fingers to manipulate switches, dials and other equipment controls. • Input data into computer.
Sensory Abilities	Sufficient auditory, visual and tactile ability to monitor and assess health needs.	• Visual – (corrected as necessary) recognize and interpret facial expressions and body language, identify normal and abnormal patterns of movement, discriminate color changes and interpret and assess the environment up to 20 feet; read and understand written documents; Distinguish depth, color and spatial attributes of images. • Auditory – (corrected as necessary) recognize and respond to soft voices or voices under protective garb, equipment/emergency alarms, and Detect and evaluate the sounds of cardiac monitors, stethoscopes, Doppler, IV pumps, fire alarms, etc. • Tactile – palpate a pulse and detect changes or abnormalities of surface texture, skin temperature, body segment contour, muscle tone and joint movement. Perform palpation, functions of physical assessment and those related to therapeutic interventions

Student Name (Print): _____

Date: _____

Student Signature _____

Date: _____