Nuclear Medicine Technical Standards: The technical standards were developed to help students understand the requirements needed to complete the Nuclear Medicine Program at Gateway Community College. These technical standards adhere to "The Americans with Disabilities Act (ADA)." Americans with Disabilities Act: U.S. Department of Labor (dol.gov).

SKILLS	DESCRIPTION	SPECIFIC EXAMPLES
MOTOR	Lift objects of 40 pounds routinely. Have full use of both arms, wrists, shoulders, and extremities, and perform simple motor skills. Push, pull, bend and stoop to position patient, or to retrieve overhead objects related to the effectiveness of job performance. Stand 70% of the time (sit occasionally).	Change collimators, move equipment, and or imaging tables. Assist patients from stretcher or wheelchair to imaging table, or vice versa. Must be comfortable touching patients while positioning them on the nuclear medicine imaging table and help move patient on and off table, stretcher, wheelchair, or other equipment. Prepare patients for imaging, perform radiopharmacy task, and prepare equipment for patient procedures.
VISION	Perform tasks requiring eye coordination.	Ability to access information in hard copy format as well as on the various computer systems: access and read patient medical charts, and nuclear medicine images. Access veins to perform venipuncture, view patient image on camera Pscope, and to use remote control on gamma camera while positioning patients.
HEARING	Ability to respond to patients, classmates, instructors, and other health care professionals, and respond to patients' verbal requests using microphones.	Auditory ability that allows for physical monitoring and assessment of patients' health requirements. Give clear verbal commands to patients assigned for an imaging procedure at 6 to 10 feet (such as patients in Positron Emission Tomography (PET) camera imaging room. Monitor equipment and background sounds during equipment operation.
TECHNICAL	Monitor imaging systems, and computers equipment during nuclear medicine procedures. Use imaging equipment,	Monitor nuclear medicine equipment, computers, and other medical equipment during patients' procedures.

	computer hardware, and software systems	Process patient studies on the computer. Use nuclear medicine camera, and computers to complete all required nuclear medicine clinical competencies in a manner that demonstrates accuracy, consistency, and retention of learned skills and information.
COMMUNICATION	Use adequate verbal, non-verbal, and written communication skills to complete the job requirements. Ability to write legibly, and use appropriate medical terms as needed.	Able to verbally communicate with patients, technologists, instructors, and other health professionals in a clear and concise manner. Able to respond to non-verbal communication such as eye contact, body language, and facial expressions to communicate in writing to adequate patients' history, communicate with other health professionals, and instructors. Enter medical infom1ation in patient charts, and provide paper instructions to patients post nuclear medicine procedures.
CRITICAL THINKING/ PROBLEM SOLVING SKILLS	Assess a patient's physical] condition and preparation status before an imaging procedure. Respond to all patient interactions, including emergency situations.	Ensure that the patient can understand and follow through with instructions to undergo the nuclear medicine procedure. Retrieve patient from nuclear medicine equipment during emergency situations: immediately stop a scan to avoid patient injury.
INTERPERSONAL	Professionalism and working as part of a team	Demonstrate professional interactions with patients, nuclear medicine technologists, students, and other members of the healthcare team.
ADAPT TO CHANGES IN THE WORKING ENVIRONMENT	Room temperature, room lighting, and noise.	Work under cooler than normal temperatures, lighting may be dimmed for various procedures, o that require darker setting than normal.