

RADIOLOGIC TECHNOLOGY PROGRAM

COLLEGE OF EDUCATION, NURSING AND HEALTH PROFESSIONS

UNIVERSITY OF HARTFORD

TECHNICAL REQUIREMENTS

To competently perform the required skills of a Radiographer, students of the Program must possess the physical, cognitive, and socio-emotional skills listed below:

1. The student/radiographer must demonstrate sufficient strength, mobility, and manual dexterity to:
 - a. move, transport, lift, or transfer patients from wheelchair or stretcher to table or bed, and vice-versa.
 - b. manipulate, move, and adjust various equipment including:
 - the operation of small controls and complex technical devices.
 - the alignment of radiographic equipment with the patient/part.
 - transporting large and potentially heavy imaging equipment over varying distances within the healthcare facility.
 - reaching, kneeling, bending, stooping, and crouching to properly manipulate equipment and patient/part in the production of quality radiographic images.
 - c. perform all physical requirements with speed and accuracy while upholding established standards of procedure quality and patient safety.
 - d. stand upright without support and walk for long periods of time.

2. The student must be capable of:
 - a. appropriately handling stressful situations related to technical and procedural standards, urgent patient care situations, multi-tasking, and inter-personal team dynamics.
 - b. providing emotional and physical support to all patients with maximum respect, empathy, and dignity.
 - c. effectively interacting in a socially acceptable manner with all patients, family members, physicians, supervisors, and co-workers.
 - d. efficiently assessing the patient's condition including color, respiration, motion, emotional & cognitive status, verbal & non-verbal expression, etc.
 - e. adequately responding to emergency situations by providing first-line care to patients prior to the arrival of other team members.
 - f. hearing audible signals of patient distress, equipment operation/malfunction, overhead announcements, and safety warnings.

- g. visual acuity to:
 - utilize computer terminals, other digital equipment, and various technological controls
 - assess radiographic images
 - read and interpret written documentation
 - monitor patient and equipment during procedures
 - h. effective verbal communication to provide optimal customer service, obtain clinical history information, and direct patients during radiographic procedures.
 - i. handling confidential patient information with maximum discretion.
3. The student must have the cognitive capacity to:
- a. conceptualize human anatomy in three dimensions.
 - b. utilize basic mathematical concepts and arithmetic formulae to perform exposure factor calculations and other technical problems related to radiographic image quality.
 - c. understand and apply didactic theory of radiographic imaging principles to their respective clinical applications.

The Radiologic Technology Program of the University of Hartford is prohibited by federal law to inquire about specific disabilities that may affect the ability of an individual to meet the above technical standards prior to admission. However, we encourage students with questions or concerns to contact the Program director at (860)768-5752 to discuss these requirements as they relate to the unique situation to each individual. Students must be aware that the successful completion of our competency-based curriculum in Radiography is heavily dependent upon the ability to meet these technical standards. On a case-by-case basis, the Program will determine if reasonable accommodations can be made to facilitate Program completion.