

**McLennan Community College
Radiologic Technology Program**

Essential Skills & Requirements

These essential skills and requirements are non-academic capabilities, tasks and responsibilities that are required by the Radiologic Technology program at McLennan Community College. These requirements reflect the physical, emotional, and professional demands required of the radiologic technologist.

Observation

The student must be able to:

- Observe laboratory demonstrations in which radiologic procedures are performed on phantoms or simulated on peer volunteers.
- Evaluate radiographic images for diagnostic quality and anatomic pathology.
- Read and understand exam requisitions, scholarly journal articles, policy and procedure manuals, labels on contrast media and other medications, and patient medical histories.

Motor & Sensory Skills

The student must be able to:

- Move freely and function safely and efficiently in the energized imaging laboratory.
- Physically move equipment and patients frequently.
- Read information on labels and charts, as well as evaluating radiographic images.
- Hear patients and colleagues clearly.
- Move patients in a sensitive manner, i.e. fractured bones, mammograms, insertion of enema tips, while providing reassurance to the patient.
- Tolerate many body positions, including bending, sitting, standing, walking and twisting. It may be necessary to attain kneeling and crouching positions to manipulate equipment and to reach the patient.
- Operate equipment and position patients with manual dexterity.
- Travel to numerous clinical facilities for practical experience.
- Use radiographic equipment in a safe manner according to established standards of practice.
- Troubleshoot and correct equipment malfunctions.

Communication

The student must be able to:

- Communicate clearly, effectively and tactfully with patients, faculty members, fellow students and other professionals in a verbal and recorded format, such as writing or graphics.
- Communicate with patients to get information, to give information and/or to reassure them.

- Follow verbal and written instructions in order to correctly and independently perform radiographic procedures.
- Communicate with other health care workers to coordinate care for the patient.
- Give demonstrations or presentations to classmates, faculty, other health care workers, or at professional association meetings.
- Independently prepare papers and reports, as well as take written, computerized or practical examinations.
- Ask and respond to formal and informal questions with confidence at an appropriate professional level.
- Use correct grammar and spelling as well as the appropriate level of formality.

Intellectual Skills

The student must be able to:

- Demonstrate critical thinking skills to solve problems, make decisions, plan and organize.
- Utilize memory to enhance performance critical thinking and planning.
- Find information using reference manuals, computer databases and other health care workers.
- Use appropriate mathematical concepts to determine proper exposure technique, positioning, and dosage of medication and contrast materials.

Behavior

The student must be able to:

- Be honest, compassionate, reliable, ethical and responsible.
- Accept and act on constructive criticism, critically evaluate self performance, recognize and correct mistakes.
- Exercise independent judgment and accept responsibility for own work.
- Organize and prioritize work, performing multiple tasks within given time constraints and under stressful conditions while maintaining the ability to communicate clearly.
- Possess the emotional health necessary to effectively exercise judgment and intellect under stressful conditions.
- Be able to provide professional and technical services while under the stress of task related uncertainty, emergency demands, and a distracting environment.
- Be flexible and adapt to professional, technical and academic changes.
- Recognize potentially hazardous situations, materials and equipment and proceed in a manner that will protect the patient, self and others.
- Recognize emergency situations and respond appropriately.
- Adapt to performing unpleasant procedures and working with physical illness and traumatic situations.
- Support and promote the activities of fellow students and health care professionals. Promotion of peers helps further a team approach to learning, task completion, problem solving and patient care.

Professional Conduct & Appearance

The student must:

- Maintain good health and self-care in order to present a well-groomed, neat appearance.
- Maintain patient confidentiality and exercise ethical judgment, dependability and accountability.
- Demonstrate self-respect and respect for others.
- Display attitudes of tolerance and integrity.
- Display professional attributes, including punctuality, professional demeanor and presentation, and cooperation.

I have read the Essential Requirements for Radiologic Technology and believe that I possess the requirements needed to enter the program.

Signature: _____

Date: _____

The Radiologic Technology Program is accredited by:
Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive
Suite 2850
Chicago, IL 60606-3182
Phone: (312) 704-5300
www.jrcert.org

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