



## TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS RADIOGRAPHY

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### Introduction

This document introduces the nonacademic standards, skills, and performance requirements expected of students in the GTCC Radiography Program. All students entering the program must meet these standards and perform specific skills to meet the requirements of the curriculum and to develop appropriate professional attributes to succeed in the profession. The technical standards provide a description of the physical demands of the profession so students can make realistic assessments of their interests, abilities, strengths, weaknesses, and challenges to choose the most appropriate programs and career paths.

The Radiography curriculum prepares the student to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body. For information about the profession see the [American Registry of Radiologic Technologists \(ARRT\) website](#) and the [American Society of Radiologic Technologists website](#). Graduates may be employed in hospitals, urgent care centers, clinics, physicians' offices, government agencies, imaging centers, and industry.

Students are expected to demonstrate the following skills fundamental to the Radiography technology:

#### Communication æ } åÁQ } c ^ | | ^ & c ~ æ | Á Û \ ð | | •

- Accurately interpret, record, and manage electronic data such as procedure manuals and medical records
- Communicate with patients, family, and other medical professionals using appropriate terminology
- Adhere to HIPAA regulations to protect patient privacy
- Perform mathematical / algebraic calculations
- Review and evaluate images to determine quality and suggest improvements when necessary
- Apply critical thinking, judgment, and techniques to resolve imaging challenges and to make compensations to accommodate patient age and/or condition

#### Physical Strength, Mobility, and Endurance

- Be flexible enough to move in a confined space
- Use safe ergonomics to move and position heavy imaging equipment
- Use proper body mechanics and work with devices or teams to transport and position obese patients
- Stand or walk up to 10 hours per day wearing personnel protective equipment such as lead aprons, surgical masks, gloves, and/or isolation clothing
- Attend class and maintain attention up to 8 hours per day, participate in labs up to 4 hours per day, and complete clinical assignments up to 10 hours per day



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