



## DIPLOMA IN RADIOLOGIC TECHNOLOGIST

### Program Description

Radiologic technology is a sort of diagnostic modality ideal to use in medical imaging procedures. A radiologic technologist, also called a radiographer or x-ray technician, efficiently performs diagnostic imaging tests, like x-rays, on patients. It is an extremely powerful yet authentic tool that can provide a wide array of information regarding the human body. This certified training program trains individuals to provide patients with medical imaging services.

Our training program includes a series of instructions about applied anatomy and physiology, patient positioning, radiologic technique, radiation biology, safety precautions, emergency procedures, equipment operation & maintenance, quality assurance (QA), patient education, history, and management of medical imaging/radiologic services.

In addition to handling radioactive and infectious materials, radiologic technologists are responsible and dedicated to making sure that safety precautions adhere to legal regulations. They may oversee the radiologic staff, delegate tasks and monitor the work, and assist the facility with various administrative activities. Radiologic technologists and technicians serve in hospitals, doctor's offices or clinics, and laboratories as well.

### Program Details

#### **Course Duration**

20 Months

#### **Quarter Credit Hours**

60

### Program Curriculum

- **Technical Courses** 60 Quarter Credit Hours

## Program Learning Outcomes

Students of our radiologic technology certificate programs Indiana will be able to:

1. Learn about all the hardware components of a radiology system.
2. Learn about the safety and radiation protection mechanisms.
3. Learn how x-ray signals are generated and detected.
4. Learn how to use a radiology system for image acquisition and technical evaluations.
5. Learn how to operate equipment and perform quality assurance techniques.
6. Learn how to apply the pulse sequence principle for effective clinical applications.
7. Gain knowledge of imaging techniques for the head, spine, pelvis, thorax, abdomen, and extremities.
8. Identify the tissue parameters that influence tissue contrast.
9. Learn how to manage and interact with patients to ensure patient care and safety.
10. Learn the fundamentals of maintaining the hardware in radiology systems and Quality Control (QC) techniques.

## Program Career Opportunity

The diploma in Radiologic Technologist at Stellar Career College opens a wide array of opportunities for students that include, but are not limited to, the following:

- Radiology Technologist
- Cardiac Invasive Technologist
- Echocardiogram Technologist
- MRI Assistant
- CT Scan Technologist
- Medical Assistant
- Administrative Assistant - Imaging
- X-Ray Technician
- Mammo Technologist
- Diagnosis Scheduling Specialist Lead

## Program Completion

Students who efficiently complete all required courses in accordance with the college's Satisfactory Academic Requirements and meet their financial obligations towards the college will be awarded a certification.

Students must satisfy the following requirements in order to challenge the national certification exam in Radiology through ARRT:

Complete the Radiologic Technologist Training & Educational Program at Stellar Career College, which is recognized by the ARRT.

- Must show competence in the program's clinical requirements as well as formal classroom instruction (didactic coursework).
- Complete an associate's degree (or higher) in any subject from a college or university that has been granted accreditation by an agency that ARRT recognizes. Before, after, or while completing a study program in your specific discipline, you can earn the degree at any time.

## ARRT Obligations

ARRT upholds high ethical and professional standards. Students must follow the ARRT Standards of Ethics, which include the Rules of Ethics. Any ethics violations must be reported to ARRT within a 30-day period of their occurrence. Applicants who fail to comply with these rules risk losing their eligibility. So many sorts of misconduct, accusations, charges, and convictions can surely violate ARRT's Rules of Ethics.

Please refer to the ARRT handbook, which is available at [arrt.org](http://arrt.org), for more information about this matter.

## Program Format

The College will deliver this training program through a hybrid format of instructions. Didactic courses will be taught by using online and virtual technologies, whereas laboratory courses will be delivered using virtual technologies and/or on-site formats. Students will complete requisite clinical hours as well as competencies at their respective clinical locations.