

# **Medical Radiography Program**

## **PROGRAM MISSION, GOALS, AND PROGRAM EFFECTIVENESS DATA**

The Medical Radiography Program offers potential candidates the opportunity to complete an Associate of Applied Science degree in Medical Radiography. This program serves as a means to address the need for Registered Technologists in Radiography, R.T. (R) in Virginia, nationally and internationally to meet society's need for highly skilled and knowledgeable Radiographer professionals.

### **PHILOSOPHY**

The Medical Radiography curriculum has been designed to thoroughly prepare students for an entry-level career as a Radiographer. The program teaches the physical and applied science of Radiography, with a focus on the application of theory to clinical practice. This program is designed to provide students with a fundamental imaging foundation so that they are competent clinical practitioners capable of producing diagnostic radiographs while subjecting the patient and healthcare personnel to minimum radiation exposure. Students learn critical thinking skills and independent professional judgment, thus preparing graduates for success on the national and/or any applicable state exams and in the workplace.

### **PROGRAM PURPOSE**

The Medical Radiography Program at ECPI University, School of Health Science, Medical Careers Institute prepares graduates to provide professional patient care and assessment, competent performance of radiologic imaging and total quality management and safety, in the application of ionizing radiation to humans.

The program's main purpose is to educate students with the most current knowledge and skills to meet the needs of the client and the demands of the healthcare industry. This program includes emphasis on the culture of safety, education, and interdisciplinary collaborative learning from both community-based and hospital settings.

Upon completion of the program, students receive an Associate of Applied Science degree in Medical Radiography, which allows them to become eligible to sit for the national ARRT exam in Radiography and also qualifies graduates for state licensing. As a Radiographer, a vast range of opportunities are available to the graduate, allowing continued professional growth and educational development.

### **PROGRAM GOALS & LEARNING OUTCOMES INCLUDE:**

**Upon completion of the program, the student will be clinically competent.**

- Student will demonstrate the ability to properly operate imaging equipment.
- Student will determine proper exposure factors to obtain diagnostic quality radiographs.
- Student will demonstrate proper positioning skills.
- Student will demonstrate the proper use of radiation protection.

**Upon completion of the program, the student will demonstrate effective communication skills.**

- Student will demonstrate effective oral communication skills.
- Student will practice written communication skills.

**Upon completion of the program, the student will demonstrate basic critical thinking and problem solving skills.**

- Student will manipulate exposure factors to accommodate for sub-optimal conditions to maintain appropriate radiographic quality.
- Student will modify standard positioning procedures to accommodate for sub-optimal or non-routine positions.
- Student will demonstrate the ability to effectively critique radiographic images.

**Upon completion of the program, the student will demonstrate professional growth and development.**

- Student will demonstrate knowledge and interest in continued professional growth and development.
- Student will demonstrate knowledge of professional ethics.

**Upon completion of the program, the student will possess sufficient knowledge, skills, and abilities to meet the needs of the healthcare community.**

- Student will successfully meet all requirements needed to sit for national licensure.
- Student will successfully meet all requirements of the program and be rewarded the degree of Associates of Applied Science in Medical Radiography.

**The program will provide students with quality didactic and clinical education, and the community with quality and competent professionals of radiologic technology, through a curriculum that promotes the current practice, guidelines, and standards.**

- Graduates of the program will successfully pass the ARRT national certification exam on the 1<sup>st</sup> attempt.
- Of those pursuing employment, graduates will be gainfully employed within 6 months post-graduation.
- Students will complete the program within 18 months.
- Students will be satisfied with their education.
- Employers will be satisfied with the graduate's performance.

## **ACCREDITATION**

The Medical Radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology at the following ECPI campuses: Newport News and Northern Virginia, Virginia. This is a programmatic accreditation by JRCERT, which is the only agency recognized by the US Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA), for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry.

For more information, visit <http://jrcert.org/>.

Joint Review Committee on Education in Radiologic Technology

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Graduates qualify to sit for the national exam of the American Registry of Radiologic Technologists (ARRT).

## **PROGRAM EFFECTIVENESS DATA**

Program effectiveness data includes the program completion rate, credentialing examination pass rate and job placement rate. Explanations of these measures and program data that correspond with the annual report most recently submitted to the JRCERT are noted below. This information can also be obtained at [www.jrcert.org/resources/program-effectiveness-data](http://www.jrcert.org/resources/program-effectiveness-data).

The Newport News and Northern Virginia campuses radiography program's most recent annual reports to the JRCERT reflected the following:

### **Completion Rate - January 1 through December 31, 2015**

This is an annual measurement of the number of students that began the program divided by the number of students that actually completed the program.

#### **NEWPORT NEWS:**

The program's completion rate for 2015 was 73%. 16 of the 22 students expected to complete the program in 2015 went on to complete it in that year.

#### **NORTHERN VIRGINIA:**

The program's completion rate for 2015 was 63%. 10 of the 16 students expected to complete the program in 2015 went on to complete it in that year.

### **Credentialing Examination Pass Rate - 2011 through 2015**

This is the number of students that pass the American Registry of Radiologic Technologists (ARRT) certification examination on the first attempt within six months of graduation from the program.

#### **NEWPORT NEWS:**

The program's credentialing examination pass rate stated as an average from the years 2011 through 2015 is 80%. 111 of the 139 graduates taking the ARRT certification examination in this timeframe passed the exam.

#### **NORTHERN VIRGINIA:**

The program's credentialing examination pass rate stated as an average from the years 2011 through 2015 is 85%. 29 of the 34 graduates taking the ARRT certification examination in this timeframe passed the exam.

### **Job Placement Rate - 2011 through 2015**

This is the number of students that gain employment in the radiologic sciences within twelve months of graduation versus the number that graduate and are actively seeking employment. The figure reflects an average over a five-year span.

The JRCERT has defined "not actively seeking employment" as:

- 1) Graduate fails to communicate with program officials regarding employment status after multiple attempts OR
- 2) Graduate is unwilling to seek employment that requires relocation OR
- 3) Graduate is unwilling to accept employment due to salary or hours OR
- 4) Graduate is on active military duty AND/OR
- 5) Graduate is continuing education.

#### **NEWPORT NEWS:**

The program's job placement rate as an average from the years 2011 through 2015 is 90%. 128 of the 143 graduates actively seeking employment obtained employment in the radiologic sciences.

#### **NORTHERN VIRGINIA:**

The program's job placement rate as an average from the years 2011 through 2015 is 100%. 24 of the 24 graduates actively seeking employment obtained employment in the radiologic sciences