

## Division of Health Professions

# Radiologic Technology

## An Associate of Applied Science Degree Program

### PROGRAM DESCRIPTION

The Radiologic Technology program provides the general education core, program specific courses, and the clinical practicum to prepare students for a career as a Radiologic Technologist (Radiographer). Radiographers work in a variety of Medical Imaging settings, including hospitals, clinics, and physician's offices. Medical Imaging represents the second-largest Health Science profession in the nation.

### APPLICATION PROCEDURE

A student desiring to pursue the Associate of Applied Science degree program in Radiologic Technology must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.
2. Indicate Radiologic Technology as the desired program on the Northeast State application form.\*
3. See a faculty advisor representing the Health Professions area prior to registering for classes and obtain faculty approval to register.

*\*As this program is a selective-admissions program, students will be initially enrolled in the Associate of Science in Pre-Allied Health degree program. Once a student makes application and is accepted into a selective-admissions program, they will be enrolled into that specific program.*

### TYPICAL PROGRAM OF STUDY

Fall		
Behavioral/Social Science	Select one approved course	3
BIOL 2010	Anatomy and Physiology I	4
ENGL 1010	English Composition I	3
HRPR 1000	Introduction to Health-Related Professions	3
MATH 1530 or higher	Introductory Statistics	3

**The Radiologic Technology program is a selective admission program. Completing the general education requirements does not guarantee admission.**

Spring		
BIOL 2020	Anatomy and Physiology II	4
RADT 1200	Introduction to Medical Imaging	2
RADT 1260	Radiographic Practicum I	2
RADT 1330	Radiographic Procedures I	3
RADT 1385	Radiographic Equipment Operation	3
RADT 1390	Principles of Image Acquisition	3

Summer		
RADT 1270	Radiographic Practicum II	2
RADT 1340	Radiographic Procedures II	3

Fall		
Humanities/Fine Arts	Select one approved course	3
RADT 1250	Radiographic Digital Imaging	2
RADT 1320	Radiation Biology and Safety	3
RADT 1380	Principles of Radiation Physics	3
RADT 2330	Radiographic Procedures III	3
RADT 2360	Radiographic Practicum III	3

Spring		
RADT 2310	Radiographic Pathology	3
RADT 2335	Radiographic Procedures IV	3
RADT 2350	Advance Patient Care	3
RADT 2370	Radiographic Practicum IV	3
RADT 2990	Special Topics in Radiologic	1-3

Summer		
RADT 2380	Radiographic Practicum V	3
RADT 2385	Radiographic Capstone Technology	3

Total Credit Hours 75

Additional courses may be required to overcome deficiencies in English, mathematics, and reading.

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## TYPICAL JOB OPPORTUNITIES

Certified Radiologic Technologists may be employed in hospitals, medical and diagnostic laboratories, outpatient care center, and physician offices. Radiologic Technologists are trained in the use of different types of medical diagnostic equipment. They may choose to specialize, such as in x-ray, mammography, or computed tomography (CT) imaging.

## RADIOLOGIC TECHNOLOGY PROGRAM ADMISSION REQUIREMENTS

The Radiologic Technology program has specific admission criteria, and admission to Northeast State does not guarantee admission to this program. A student desiring admission into the Radiologic Technology program must complete all required general education courses listed in the typical program of study with a grade of “C” or higher. A student must have attained an overall 2.0 grade point average. Biological science courses previously taken must have been completed within the last 10 years. A student desiring admission to the Radiologic Technology program should contact the Health Professions Division office at 423.323.0238.

## PROGRAM OUTCOMES

Upon completion of the program, all students will demonstrate the ability to comprehend, apply, analyze, and evaluate information relevant to their roles as entry level Radiologic Technologists.

Upon completion of the program, all students will demonstrate technical proficiency in all skills necessary to fulfill the role of entry level Radiologic Technologists.

Upon completion of the program, all students will demonstrate personal behavior consistent with professional and employer expectations for the entry level Radiologic Technologists.

Upon completion of the program, all students will demonstrate critical thinking skills for inquiry and analysis, assimilation of facts and knowledge, and problem solving.

## FOR FURTHER INFORMATION CONTACT:

David Bryant, M.S.A.H., Associate Professor  
Dean, Health Professions  
Program Director, Paramedic Education  
Telephone: 423.323.0238  
E-mail: [dlbryant@NortheastState.edu](mailto:dlbryant@NortheastState.edu)

Ten-Year Projected Job Increase Rate\*  
6%

TN Average Salary\*  
\$39,230-\$78,920

\*Source:  
Tennessee Bureau of Labor Statistics  
<http://www.bls.gov>

Northeast State Community College is part of the Tennessee Board of Regents system, Tennessee's largest higher education system, governing 40 post-secondary educational institutions with over 200 teaching locations. The TBR system includes 13 two-year colleges, 27 colleges of applied technology, and TN eCampus, providing programs to students across the state, country, and world.

Northeast State Community College does not discriminate on the basis of race, color, religion, creed, ethnic or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Linda W. Calvert, Vice President for Institutional Advancement and Culture, [AffAct@NortheastState.edu](mailto:AffAct@NortheastState.edu), P.O. Box 246, Blountville, TN 37617-0246, 423.323.0222.

Northeast State Community College's policy on nondiscrimination can be found at <https://apps.northeaststate.edu/ie/policymanual/pol.asp?p=254>.

Northeast State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate degree. Northeast State also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Northeast State Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).