

Prepare for a career as a Radiologic Technologist



 **ANMED HEALTH**
Radiologic Technology Program
We're in this together.

Program Information

AnMed Health's Radiologic Technology Program is the only hospital-based radiography program in South Carolina, lending opportunity for students to learn Imaging in the professional environment of the patient care centers. Upon satisfactory completion of the two-year course curriculum and terminal competencies, the student will receive a certificate and will be eligible to take the National Certification Examination, sponsored by the American Registry of Radiologic Technologists.

The **mission** of the Radiologic Technology Program is to provide a quality education that enables our students to passionately blend the art of caring with the science of medicine to optimize the health of patients and become a valuable member of the healthcare team.

Specific goals and student learning outcomes of the program include:

1. Students will be clinically competent.

Student Learning Outcomes:

- Students will apply positioning skills.
- Students will select technical factors.
- Students will utilize radiation protection.

2. Students will demonstrate communication skills.

Student Learning Outcomes:

- Students will demonstrate written communication skills.
- Students will demonstrate oral communication skills.

3. Students will develop critical thinking skills.

Student Learning Outcomes:

- Students will adapt standard procedure for non-routine patients.
- Students will critique images to determine diagnostic quality.

4. Students will model professionalism

Student Learning Outcomes:

- Students will demonstrate work ethics.
- Students will summarize the value of life-long learning.

Accreditation

The AnMed Health competency-based Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology (www.JRCERT.org), 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606. The JRCERT is recognized by the U.S. Department of Education to evaluate and accredit educational programs in radiography and radiation therapy, magnetic resonance, and medical dosimetry. JRCERT accreditation demonstrates that a program adheres to national educational standards required to prepare graduates to be eligible to practice in all 50 states.

Qualifications and Admissions Standards

Applicants must meet specific requirements to be accepted into the Radiologic Technology Program. A point system is used to calculate qualifications. Requirements include:

1. Document a high school diploma, GED or equivalent. Preference is given to applicants who ranked in the upper 50%, have a GPA of 2.5 or higher on a 4-point scale, and have completed math and science courses such as biology, chemistry, physics, algebra, geometry, anatomy & physiology, and health occupations.
2. Submit official scores from a SAT, ACT, COMPASS or ASSET college entrance exam. Scores are:
 - SAT – Minimum 400 for the Math or Verbal sections, recommended combined scored of 1000
 - ACT – Minimum composite score of 19, recommended score of 22

- COMPASS/ASSET/ACCUPLACER / TEAS – scores should be comparable to scores recommended for health career students entering a technical college allied health program

3. Hold an associate's degree or higher (in any major) and document:

- 3 credit hours – Mathematical/Logical Reasoning Course/ College Algebra – i.e., Math 109 (course numbers 100 level or less are not acceptable)
- 3 credit hours – Written/Oral Communications Course/College English or Public Speaking i.e., ENG 101 or SPC 205
- Two semesters of Anatomy and Physiology including labs, i.e., BIO 210 and BIO 211, are strongly recommended
- Preference is given to applicants with a strong background in college level science and math

OR

Be enrolled in the Bachelor of Science in Medical Imaging Sciences Program at Clarion University (www.clarion.edu) or Bloomsburg University (www.bloomu.edu) and completed a minimum of 60 hours of credit required of the Medical Imaging Sciences Program.

OR

Potential applicants who do not have an associate's degree or higher may enroll at Greenville Technical College and complete Phase I of the Radiologic Technology curriculum. General education courses require a minimum grade of "C" or better and a cumulative technical GPA of 2.5 or higher. Phase I must be completed prior to starting the AnMed Health Radiologic Technology Program.

- Submit an official transcript from Greenville Technical College to document completion of Phase I and a minimum of 22 credit hours at Greenville Technical College.

For more information go to www.gvltec.edu/radtech/

4. Demonstrate personal traits of character, professionalism, leadership, self-motivation, and empathy.
5. Meet and maintain the physical and technical standard criteria:
 - Physical Abilities
 - Communication Skills
 - Mental Abilities
6. As a condition of acceptance, applicants selected will be subject to AnMed Health's:
 - Criminal background check
 - Physical Health Screening including drug testing

Inquiries

An application form, along with an instruction sheet explaining how to apply to the program, is available directly from the program or may be printed from our www.anmedhealth.org web site. Interested individuals may call the program's information line at (864) 512.1249 or send correspondence to:

AnMed Health Radiologic Technology Program
AnMed Health Medical Center
800 North Fant Street, Anderson, SC 29621
email: susan.merrill@anmedhealth.org
Fax: 864.512.1319

Admission Steps

1. Complete an application form and submit it along with a \$25.00 application fee.
2. Submit high school transcript, college transcript(s) and scores from college entrance exam(s). Only official transcripts and exam scores will be accepted.
3. All application forms and documents must be received by the February 28th deadline.

The applicant will be notified when the application documents have been received and the application is complete. Beginning in January the applicant will be notified of scheduled information sessions and will be invited to attend a session.

Admission Process

Admission steps to follow after attending an information session include:

1. Complete the Admission Steps
2. Attend an Information Session
3. Interview with Radiography Program Director and Clinical Coordinator
4. Attend a scheduled clinical observation in the Radiology Department
 - * requires documentation of flu vaccination within the current flu season and a 2-step TB test within the past 3 months.

Students are accepted by an Admissions Committee based on a point system. Notice of acceptance is provided in writing after all admissions standards have been met. Selection is made without regard to the applicant's race, religion, age, gender, qualifying disability, or national origin. Qualified applicants with disabling conditions are encouraged to identify those conditions during the application process so Radiologic Technology Program officials can consider providing reasonable accommodations that comply with the technical standards for admission. A new class starts annually in July. Enrollment is limited by the Joint Review Committee on Education in Radiologic Technology.

Expenses

For tuition information please visit the web site at www.anmedhealth.org.

A list of required **textbooks** for the two year program is provided. The student has the option to purchase textbooks from the vendor of choice. The cost varies; however, the total cost should not exceed \$1000.00.

White professional **uniforms** and lab jackets of designated styles are required. Students are responsible for the purchasing of uniforms.

Meals and off-campus living arrangements are also the responsibility of the student.

*** The Radiology Program does not participate in the US Guaranteed Student Loan Programs (Title IV financial aid).**

During the Education Program



Students gain the knowledge, experience and competencies necessary to position patients, to operate and maintain equipment, and to critique the technical quality of the finished images. The student is a part of the cutting edge of scientific progress, working with Computed Radiography, Digital Radiography imaging devices, PACS (Picture Archiving and Communications Systems), and the latest interventions in medical care.

The Curriculum

The structure of the curriculum for the Radiologic Technology Program is based on two years of full-time didactic and competency-based clinical education. The professional courses include, but are not limited to:

- **Introduction to Radiologic Technology**
Goals, philosophies and organization of the radiography program and Radiology Department.
- **Medical Ethics/Patient Care and Legal Issues**
Ethical and legal responsibilities of a technologist, diversity, patient care skills, standard precautions, contrast media and pharmacology.
- **Principles of Imaging and Image Analysis**
Principles of various imaging modalities; imaging processes for producing and evaluating high quality diagnostic images.
- **Anatomy and Physiology**
Human structure and function.
- **Medical Terminology**
Language of medicine, medical symbols, terms and abbreviations.
- **Radiographic Positioning**
Positioning methods for patients of all ages using routine and trauma/mobile applications.
- **Equipment and Instrumentation**
Radiation-producing radiologic equipment for diagnosis and treatment, interventional procedures and computer applications in radiology.
- **Digital Image Acquisition and Display**
Factors that impact image acquisition, display, archiving and retrieval to include quality assurance and maintenance.
- **Principles of Radiation Protection**
Techniques and actions that assure the patient and technologist receive the least amount of radiation.

- **Pathology**
Diseases and their effects on radiologic images.
- **Radiation Physics**
Production and behavior of radiation, concepts of energy and matter; electrical circuitry.
- **Radiation Biology**
Effects of radiation on the biologic system.
- **Quality Assurance**
Methodologies for assuring compliance and continuous quality improvements in radiology.

Clinical Experience

- **Radiographic Procedures**
Under the supervision of registered staff technologists, students demonstrate competency, performing diagnostic procedures in the clinical environment of the Radiology Department.

Program Staff

Medical Director.....Veena Mathur, M.D.

Program Director..... Susan Merrill M.S., R.T. (R)

Clinical Coordinator ... Mandy Boye, M.S., R.T. (R)

Clinical Instructors..... Tonya Cowan, R.T. (R)

Medley McIntosh, R.T. (R)

Lisa Moon, R.T. (R)

Ashley Mullinax, R.T. (R)

Chris Payne, R.T. (R)

Teresa Smith, R.T. (R)

Anna Tollison, R.T. (R)

In addition, various instructors provide classroom instruction on specialty areas, and staff radiographers, radiology nurses, and technologists from Nuclear Medicine, CT, MR, Medical Sonics, Radiation Oncology and other imaging specialties assist in providing clinical instruction.

About AnMed Health

AnMed Health is a comprehensive health care system located in Anderson, South Carolina. The mission of AnMed Health is to passionately blend the art of caring with the science of medicine to optimize the health of our patients, staff and community. AnMed Health's vision is to be recognized and celebrated as the gold standard for healthcare quality and community health improvement.

AnMed Health is the largest private not-for-profit healthcare system in South Carolina. Founded in 1906, it also is one of the oldest. A leader in the provision of modern, innovative and comprehensive health and medical care, AnMed Health serves a community of more than 400,000 residents in Upstate South Carolina and Northeast Georgia. The system is comprised of more than 50 delivery sites, including 5 licensed hospitals.

- **AnMed Health Medical Center**
461-bed acute-care hospital (800 North Fant St.)
- **AnMed Health Women's and Children's Hospital**
Dedicated to women's diagnostic and surgical procedures, labor and delivery and a children's hospital (2000 East Greenville Street)
- **AnMed Health Rehabilitation Hospital**
Inpatient rehabilitation hospital (1 Spring Back Way)
- **AnMed Health Oglesby Center**
Facility features outpatient surgery, laboratory, radiology and numerous physician practices in a consolidated location (2000 East Greenville Street)

AnMed Health delivers a wide range of diagnostic services, surgical and medical treatments and advanced rehabilitative therapies, as well as individualized well and sick care. It also operates highly regarded teaching programs. At the foundation of efforts to accomplish AnMed Health's mission and vision are "building blocks" that serve to shape and define the day-to-day actions of the staff and practices of the organization.

Radiology Is Integral To Patient Care

For its patients, AnMed Health offers a wide range of diagnostic and treatment services and has made significant investments in the latest digital technology. AnMed Health was the first hospital in the state to offer digital mammography; it is a national show site for GE's PACS (Picture Archiving Communication System) technology.

The Radiology Services department at AnMed Health is an integral part of the care delivered throughout the entire facility. From emergency medicine to surgical procedures to outpatient diagnostic procedures, radiologic technologists provide images that help diagnose everything from broken bones to extensive pathology.

Known for offering "virtual or real-time" radiology, the department offers virtually up-to-the-minute scans using the most advanced equipment available.

The Technologist's Duties

The radiologic technologist is a skilled professional who has learned to use various imaging modalities to provide services specified by a physician. The technologist's main concern is that of proper positioning of the patient and selecting the technical components to produce the best diagnostic image possible with the least amount of discomfort and risk to the patient.

As part of their specific responsibilities, radiologic technologists:

- Combine a knowledge of anatomy with expertise in positioning and radiographic techniques to accurately demonstrate anatomical structures on an image receptor.
- Determine exposure factors to achieve optimum radiographic digital images with a minimum amount of radiation exposure to the patient.
- Provide excellent patient care while recognizing emergency patient conditions and, when necessary, initiating life-saving first aid.
- Critique and manipulate images with regard to technique, positioning and other pertinent technical qualities.
- Exercise discretion and judgment in the performance of procedures, always applying the principles of radiation safety for the protection of the patient, self and others.

Why Choose Radiologic Technology for Your Career?

Completion of the AnMed Health Radiologic Technology Program can open the door to a rewarding and satisfying career in the field of health care.

While many radiologic technologists who complete the AnMed Health Radiologic Technology Program choose to work in x-ray and imaging departments of hospitals and medical centers, some seek opportunities in other healthcare settings including physicians' offices, mobile imaging companies, research centers, or public health clinics.

With additional experience and education, a graduate of the Radiologic Technology Program can take advantage of opportunities in advanced areas of Radiology such as Nuclear Medicine, Radiation Therapy, Medical Sonics, Computerized Tomography and Magnetic Resonance. Credits earned in the program may be transferable to a college or university.

Salaries for radiologic technologists vary nationwide. However, they are comparable to or slightly higher than those of many other allied healthcare professionals. The range is reflective of education and experience.

The field is challenging and interesting, and for the ambitious individual, it offers a lifetime career with many options as a technologist, educator, researcher, manager, or director.



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Radiologic Technology School

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