

General Program Information

Roane State Community College - Radiologic Technology Program

The Radiologic Technology program at Roane State Community College is designed to provide the student with career opportunities in the field of radiology science. The college awards an Associate of Applied Science degree in Radiologic Technology and the student graduates with the knowledge and skills of a competent entry-level radiologic technologist. The general education courses for the Radiologic Technology program can be completed at any pace. Only students who have formally been admitted into the program can complete Rad Tech professional courses. A new cohort or class of students will begin only in the fall semester each year and the program is 22-months long. Admission is competitive. Generally, the top fifty students receive interviews, and thirty students are accepted into the program.

General Program Information

The radiographer is a healthcare professional that performs radiographic procedures that provide information to assist in the diagnosis and treatment of the patient. The radiographer also assumes professional responsibility for minimizing the public's exposure to ionizing radiation, thereby observing the American Registry of Radiologic Technologists (ARRT) Code of Ethics.

The Roane State Associate of Applied Science Degree Program in Radiologic Technology (A.A.S.) consists of five semesters of full-time study, which includes supervised clinical coursework in a diagnostic hospital-based radiology department. There are no evening or weekend didactic classes. However, in the second year of the program, students are required to complete four weeks of clinical evening shift. The program is affiliated with local area hospitals. Students may be assigned to various clinical sites during their 22 months of clinical coursework.

Accreditation

The radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182; (312) 704-5300; e-mail: mail@jrcert.org. Programmatic accreditation ensures academic excellence as well as clinical excellence in all areas of the educational program. JRCERT accreditation also ensures safety for students, staff, and the public. The program's current award is 8 years. General program accreditation information and the current accreditation award letter can be found [here](#).

MRI Environment

Students in the Radiologic Technology program may potentially have access to an MRI environment. Therefore, all students will be appropriately screened for magnetic or radiofrequency hazards prior to entering the clinical environment. All program students will complete an MRI screening form, to be evaluated prior to clinical rotations to determine if any ferromagnetic objects or devices are present within or on them. Should a student's status change while enrolled in the program, he/she must report this to program officials immediately.

Nondiscrimination Statement

The Radiologic Technology program at RSCC offers the opportunity for training to all qualified persons regardless of race, color, creed, gender, national origin, disability, religion or age. The institution complies with Titles VI, VIII and XI, the American Disability Act, the Rehabilitation Act of 1973, and all other federal, state, and local statutes.

ADA Statement

In compliance with the Americans with Disabilities Act, students are encouraged to register with the counseling/disability services office for possible assistance with accommodations. It is the student's responsibility to voluntarily and confidentially provide appropriate documentation regarding the nature and extent of a disability. Students requesting special accommodation are (strongly) encouraged to contact the counseling/disability services office at the beginning of the semester.

Rad Tech Program Approximate Costs

The college shall assess and collect prevailing rates for tuition and application as outlined in the college catalog, course schedules and website. Policies governing student withdrawal and refunds of tuition, fees, etc., shall be consistent with those of Roane State Community College.

The student is responsible for all costs incurred relative to travel to and from clinical assignments, uniforms required for clinical rotations, lead film identification markers, dosimeters, supplies, textbooks, etc. Transportation to and from the clinical assignment is the sole responsibility of the student. Roane State does not assume liability for personal injury or property damage incurred during travel to and from these facilities.

Liability insurance coverage is required for students in the Radiologic Technology Program. Group liability insurance coverage is purchased in conjunction with registration for radiologic technology courses.

Estimate of Additional Program Costs 2025 – 2026

**These costs are estimates beyond normal tuition rates.*

Additional Program Costs	Costs or Fee
Textbooks <i>*Does not include general education textbooks</i>	\$450 the first semester and \$100-200 each additional semester (total of ~\$1,000)
Uniforms and Shoes	\$300
Uniform Patches	\$15
Clinical Liability Insurance	\$15 per year
BLS Certification	\$50
Physical/Blood Tests	\$150-200
Hepatitis B vaccination	\$125
Background Check and Drug Screen	\$100
Radiation Dosimeters	\$80
ARRT Registry Application	\$225
Estimate of Total Additional Program Costs	\$2,110

* Other costs: Students assume the cost of transportation, parking, meals, and medical coverage for injury or illness. Fees are subject to change without notice.

Frequently Asked Questions

1. When can I begin taking courses?

General education courses required for the AAS Degree in Radiologic Technology may be taken before admission to the Rad Tech program. These courses are listed in the current college catalog under Radiologic Technology. The catalog can be accessed on the main RSCC web page. Professional Rad Tech courses cannot be taken without first being admitted into the program. A minimum of 9 credit hours of the required general education courses must be completed prior to the May 15th application deadline. Courses completed at a college other than RSCC will only be considered if the official college transcript is submitted to the RSCC Admissions and Records Office AND evaluated before the published application deadline.

2. What grading system is used in the program?

In order to continue in the Radiologic Technology Program, students must earn a “C” or higher in each radiologic technology course and each general education course. The grading scale for all core RADT radiologic technology courses is as follows:

- A = 93-100
- B = 85-92
- C = 75-84
- D = 70-74
- F = Below 69
- I = Incomplete

3. Will I be participating in hospital clinical education as part of my course work?

Students will be participating in unpaid clinical education throughout the program, which requires students to be at the hospital for 8.5 hours each scheduled clinical day. During clinic, students perform radiographic procedures on real patients with the guidance of registered technologists while working with other students, physicians, and various healthcare professionals. Students deal with blood and body fluids, surgical procedures, trauma, portable procedures as well as routine radiography and will move and transport patients, which includes heavy lifting and reaching.

4. What are the physical qualifications essential for success in clinical coursework for the program?

Applicants should self-assess to determine if they can meet the following general standards:

- have normal or corrected visual and audio acuity (to ensure patient safety)
- lift, move, and push bulky as well as very heavy equipment
- move equipment such as overhead tubes, wheelchairs, and stretchers
- bend or stoop to lift radiographic cassettes
- be able to stand for extended hours during surgical procedures
- possess interpersonal skills necessary for working with a diverse population of patients

5. What are the clinical education requirements?

Mandatory criminal background checks and routine drug screening became effective for all students in allied health programs in all Tennessee Board of Regents institutions in Fall 2005. Faculty provides information that is more detailed to applicants upon acceptance to the program. The results of the criminal background could lead to a student being denied access to clinical rotations, which would make completion of practicum/program objectives impossible. Criminal background results may also present concerns with regards to eligibility for the ARRT certification exam and subsequent employability.

Once admitted into the Radiologic Technology Program, students are required to submit documentation for the following clinical requirements prior to the first day of clinical assignment. If the documentation is not completed on time, students will not be permitted to go to clinic and may be forced to withdraw from the program.

- a) Health Requirements: All radiologic technology students must submit evidence of good health by returning a completed *Physical Examination* form. Forms are given to the student upon acceptance to the program. All students must document:
 - a. Documented recent negative TB skin test or negative chest x-ray.
 - b. Evidence of immunity for:
 - i. MMR vaccine and booster
 - ii. Varicella Zoster (chicken pox); (positive titer or proof of vaccination)
 - iii. Tdap
 - iv. Hepatitis B vaccine or documentation of the start of the series (documentation of each sequential dose must be submitted until the series is complete)
 - v. Influenza vaccine
 - vi. COVID vaccine (or request a medical/religious exemption)
- b) Basic Life Support (BLS) Requirements: All students must submit evidence of current Basic Life Support (BLS) certification compliant with the American Heart Association (AHA) guidelines. Roane State Community College, healthcare organizations, or the AHA offers BLS certification classes. This documentation must remain current for the entire twenty-two months in the program.
- c) Liability insurance is required for all radiology clinical practicum courses. A group policy is available. The fee is assessed annually as a part of the registration fees.
- d) Health insurance is required by clinical affiliates.
- e) Criminal background checks and drug screening are required by affiliate clinical sites as a condition of participation in clinical education. Based on the results of these tests, any affiliated clinical site may determine not to allow the student at their facility. Denial of clinical access could result in the inability to successfully complete the clinical requirements of a specific course and the program. More information is available from the program director.
- f) Complete in-service and/or facility orientation required by individual clinical affiliates as a condition of participating in clinical rotations. This may include a combination of sessions and/or electronic/online tutorials.
- g) Students in health science programs may be required to obtain additional vaccinations as clinical agencies adopt and implement new requirements, respond to periodic recommendations from the Centers for Disease Control or area health departments, etc. All such vaccinations will be at the expense of the individual student. Any student who refuses to be immunized will have the option of following the alternative processes allowed for agency employees, if available (i.e., wearing protective masks 100% of the time while at a clinical facility). A clinical site may determine to not allow a student at their facility if vaccine requirements are not met. Faculty makes every effort to provide students with current information to make informed decisions regarding safety for themselves and patients.

6. How many hours a week will I be in class and clinic?

First year students will be enrolled in various RADT didactic classes/labs anytime between 8 a.m. and 5:00 p.m. on Monday, Wednesday, and Friday on the Oak Ridge Branch Campus. There are no weekend RADT classes. Clinical hours are Tuesday and Thursday from 8:00 a.m. to 4:30 p.m. at most clinical sites.

Second year students will be enrolled in various RADT didactic classes anytime between 8 a.m. and 5:00 p.m. on Tuesday and Thursday. Clinical hours are Monday, Wednesday and Friday from 8:00 a.m. to 4:30

p.m. at most clinical sites. There are four weeks of evening clinic required, but no weekend clinic. There is one full-time week of clinic intersession the second week of May during the summer semester (Monday through Friday: 8 a.m. to 4:30 p.m.). **In no event will a student be required to spend more than 40 hours a week in the classroom or clinic. If a student needs to make-up missed clinic time, it can be completed during finals week at the end of the semester. However, if the student chooses, the student can make-up time during the semester after regularly scheduled clinical time is over.*

7. When will I know if I have been accepted into the Radiologic Technology Program?

Prospective students will receive an e-mail to their RaiderNet account by the end of May to inform them if they ranked high enough for an interview. If informed that they have been selected for an interview, the student must respond to the e-mail within 5 calendar days. Interviews should occur during the first two weeks of June. After interviews have been completed, final acceptance will be placed as an alert in RaiderNet by mid-June.

8. What can I do to enhance my chances of being accepted into the Rad Tech program?

Since points are awarded for high GPA's and for grades of A and B in Math and Science courses, chances of being accepted are enhanced if a student attains a high GPA and achieves A's and/or B's in Anatomy and Physiology I and II, Intro to Med Imaging, and Math.

9. Does the program keep a "waiting list"?

No. Each student must reapply every year.

10. What is the Rad Tech program's grievance policy or procedure?

Any grievance related to the RADT Program in general must be submitted in writing to the program director in writing within 30 days of the incident by the student. The program director will respond to the grievance in writing within 10 days. If the program director's response fails to resolve the grievance or complaint, the student may file a [Student Complaint Form](#) in writing within 30 days of the incident to the Dean of Students. The Dean will investigate the complaint, consulting with other RSCC personnel as needed, and notify the student of the outcome within 10 days. If the student is not satisfied with how the Dean of Students has tried to resolve the issue, the student may be heard by the Vice President of Student Learning and/or the Vice President of Student Services and Enrollment Management.

If the student has other complaints not resolved by RSCC, they may follow the information below regarding the Tennessee Board of Regents (TBR) student complaint procedures. Students or prospective students who wish to file a complaint not resolved at the institution may submit a Student Complaint Form to the Tennessee Board of Regents at 1415 Murfreesboro Road, Suite 340, Nashville Tennessee 37217, or by going online and [filling out the form electronically](#). No person (employee or student) shall retaliate or discriminate against a student because of the filing of a grievance or complaint. In addition, no person (employee or student) shall coerce a student or interfere with the action of a student in the student's attempt to file a grievance or complaint.

If the individual is unable to resolve the complaint with institutional/program officials or believes that the concerns have not been properly addressed, the individual may submit allegations of noncompliance directly to the JRCERT. The JRCERT requires the complaint is attempted to be solved at the program and college level first. The process is found here: <https://www.jrcert.org/accreditation-forstudents/allegations/>

11. Does the RSCC Rad Tech program accept transfers from another TBR institution's Rad Tech Program?

Information concerning students wishing to transfer to RSCC from other recognized TBR institutions of higher education is provided under the Admissions information in the current edition of the college catalog. Official transcripts from colleges/universities are reviewed by RSCC admissions officials and/or the campus Registrar.

1. Students can only be admitted into the Rad Tech program if there is “clinical space available”. The specific number of students assigned to the program’s recognized clinical education sites are dictated by JRCERT based upon supervision ratios.
2. Students must submit a signed letter stating their reason for requesting a transfer. Students must request two letters of recommendation, one from their current or former radiography program director and another from their current or former clinical instructor/clinical coordinator. This information should also include evidence of completed clinical competencies, copies of all completed Rad Tech course syllabi, and be sent directly to the RSCC Rad Tech Program Director from the individuals listed above.
3. After receiving all requested documentation, students will be asked to meet with the program’s admissions committee for an interview.

12. Where will I be assigned for my clinical coursework?

The program makes every effort to assign you to a hospital setting closest to your residence. However, assignments are made based on available space and cannot be guaranteed. Often, students must commit to driving varying distances once accepted into the program. Below is a list of the clinical affiliates that the RSCC Rad Tech program has an affiliation agreement established along with the mileage to each location from the Oak Ridge Branch RSCC campus:

Big South Fork Medical Center 18797 Alberta Street Oneida, TN 37841 57.7 miles	Methodist Medical Center of Oak Ridge 990 Oak Ridge Turnpike Oak Ridge, TN 37831 1 mile
Blount Memorial Hospital, Inc. 907 East Lamar Alexander Parkway Maryville, TN 37804 30.4 miles	Morristown-Hamblen Hospital/Healthcare System 908 West Fourth North Street Morristown, TN 37814 73.7 miles
Cookeville Regional Medical Center 1 Medical Center Boulevard Cookeville, TN 38501 88.6 miles	Morristown-Hamblen Healthcare System - West 653 Merchants Greene Blvd Morristown, TN 37813 71.8 miles
Cumberland Medical Center 421 South Main Street Crossville, TN 38555 55 miles	North Knoxville Medical Center 7565 Dannaher Drive Powell, TN 37849 21.4 miles
East Tennessee Children's Hospital 2018 West Clinch Avenue Knoxville, TN 37916 24.5 miles	Parkwest Medical Center 9352 Park West Boulevard Knoxville, TN 37923 14.2 miles
Fort Loudoun Medical Center 550 Fort Loudoun Medical Center Drive Lenoir City, TN 37772 22.7 miles	Roane Medical Center 8045 Roane Medical Center Drive Harriman, TN 37748 24.4 miles

Fort Sanders Regional Medical Center 1901 West Clinch Avenue Knoxville, TN 37916 24.4 miles	Starr Regional Medical Center - Athens 1114 West Madison Avenue Athens, TN 37303 60 miles
Knoxville Orthopedic Clinic – Dowell Springs 1422 Weisgarber Rd Knoxville, TN 37909 35.6 miles	Starr Regional Medical Center - Etowah 886 Highway 411 Etowah, TN 37331 66.1 miles
Knoxville Orthopedic Clinic – West 260 Fort Sanders West Blvd. Building 6 Knoxville, TN 37922 18.6 miles	Sweetwater Hospital Association 304 Wright Street Sweetwater, TN 37874 46 miles
LaFollette Medical Center 923 East Central Avenue LaFollette, TN 37766 35.6 miles	Turkey Creek Medical Center 10820 Parkside Drive Knoxville, TN 37934 13.8 miles
LeConte Medical Center 742 Middle Creek R. Sevierville, TN 37862 54.8 miles	

Radiologic Technology (RADT) Degree Plan

Associate of Applied Science

WELL 1010 Lifetime Wellness

General Education Requirements

Radiologic Technology – 1 course (2 credits)

RADT 1200 Introduction to Medical Imaging

Communication – 1 course (3 credits)

ENGL 1010 Composition I

Humanities/Fine Arts – 1 course (3 credits)

ART 1035 Introduction to Art
 ART 2000 Art History Survey I
 ART 2020 Art History Survey II
 HUM 1010 Early Humanities
 MUS 1030 Introduction to Music
 THEA 1030 Introduction to Theatre
 PHIL 1030 Introduction to Philosophy
 PHIL 1040 Introduction to Ethics
 PHIL 2200 Introduction to World Religions
 PHIL 2640 Science and the Modern World

Any other ENGL Literature course*

*(ENGL 1020 is a prerequisite)

Mathematics – 1 course (3-5 credits)

MATH 1130 College Algebra
 MATH 1530 Probability and Statistics
 MATH 1630 Finite Mathematics
 MATH 1720 Precalculus Trigonometry
 MATH 1730 Pre-Calculus
 MATH 1830 Applied Calculus
 MATH 1910 Calculus I

Natural Science – 2 courses (8 credits)

BIOL 2010 Human Anatomy and Physiology I*
 BIOL 2020 Human Anatomy and Physiology II*

Social/Behavioral Science – 1 course (3 credits)

ANTH 1130 Introduction to Physical Anthropology
 ANTH 1230 Introduction to Cultural Anthropology
 ANTH 1430 Introduction to Prehistoric Archeology
 ANTH 2150 Native American Studies
 ECON 2100 Principles of Macroeconomics
 ECON 2220 Principles of Microeconomics
 GEOG 2010 World Regional Geography
 INTL 1010 Introduction to Global Studies
 POLS 1010 Introduction to Political Science
 POLS 1030 American Government
 POLS 2025 State and Local Government
 PSYC 1030 Introduction to Psychology
 PSYC 2210 Biological Basis of Behavior
 PSYC 2130 Lifespan Development Psychology
 SOCI 1010 Introduction to Sociology
 SOCI 1040 Social Problems

RADT Courses to be Completed after Acceptance

FIRST YEAR

Fall Semester

RADT 1215 Intro to Radiography – 2 cr.
 RADT 1210 Radiographic Image Critique I – 2 cr.
 RADT 1260 Radiographic Practicum I – 2 cr.
 RADT 1330 Radiographic Procedures I – 3 cr.
 RADT 1385 Radiographic Equip Operation – 3 cr.

Spring Semester

RADT 1235 Radiographic Image Critique II – 2 cr.
 RADT 1270 Radiographic Practicum II – 2 cr.
 RADT 1340 Radiographic Procedures II – 2 cr.
 RADT 1390 Principles of Image Acquisition – 3 cr.
 RADT 1220 Rad Biology and Safety – 2 cr.

Summer Semester

RADT 2250 Radiographic Practicum III – 2 cr.
 RADT 2115 Radiographic Image Critique III – 1 cr.
 RADT 2330 Radiographic Procedures III – 3 cr.

SECOND YEAR

Fall Semester

RADT 2370 Radiographic Practicum IV – 3 cr.
 RADT 2335 Radiographic Procedures IV – 3 cr.
 RADT 1380 Radiation Physics – 3 cr.
 RADT 1250 Radiographic Digital Imaging – 2 cr.

Spring Semester

RADT 2380 Radiographic Practicum V – 3 cr.
 RADT 2250 Advanced Patient Care – 2 cr.
 RADT 2385 Radiographic Capstone – 3 cr.
 RADT 2210 Radiographic Pathology – 3 cr.
 RADT 2295 Radiographic Seminar – 2 cr.

Total Degree Credits = 75

*General education course are Prerequisites to all 2000 level RADT courses.