



Dear Radiologic Technology Applicant:

Thank you for your interest in the Associate of Applied Science Degree in Radiologic Technology. The Radiologic Technologist is a health science professional that combines an in-depth knowledge of human anatomy with patient care procedures. With proficient utilization of medical imaging equipment, the technologist produces diagnostic images of the human body with minimum radiation exposure and discomfort to the patient.

**Radiologic Technology - Health Sciences AS:** Students interested in one of Vol State's Health Sciences programs must follow the A.S. in Health Sciences curriculum. You must contact an advisor in your preferred area of emphasis to identify appropriate general education and elective courses for admission into your selected program. For more information about specific program deadlines and requirements, please refer to page three of the radiologic technology program's information packet.

**About the Radiologic Technology Program: Students** interested in the radiologic technology program will declare Health Sciences as the major and should follow the recommended schedule of courses. Once formally admitted into the program, the major will be changed to Radiologic Technology. The Radiologic Technology Program is five semesters of full-time study. It includes didactic classroom courses and extensive clinical laboratory experience in departments of radiology at participating clinical affiliates. Program officials determine clinical site assignments. Clinical sites are located throughout middle Tennessee up to 100 miles from the Gallatin campus. Each student is responsible for their own transportation to class and to the assigned clinical sites.

The program is designed to develop compassionate and competent professional radiographers. After acceptance into the program, the student begins full time in the fall semester. Didactic classes are taught only on the Gallatin campus and clinical education is performed at one of the many clinical affiliate hospitals throughout middle Tennessee up to 100 miles from the Gallatin campus. Fall and spring semester clinical hours alternate with the classroom schedule Monday through Friday. The summer between the first and second year consists of 32 clinical hours per week. Clinical hours are typically 7:30 am – 4:00 pm (with some exceptions depending on clinical site). Training and experience are provided in routine and special radiographic imaging procedures. Program faculty will determine clinical site assignments. Each student is responsible for their own transportation to class and to the assigned clinical sites.

**Enrollment and Application Information:** The program adheres to the College's equal opportunity policy and has limited enrollment. The class size is limited to 30 students per year. The Radiologic Technology Program, like many other health science programs, is a selective, limited-access admissions program. Applicants must meet specific criteria to qualify for the selection process and interview. Students who qualify are granted an interview in late May. To qualify for an interview, please refer to the attached Pre-Rad Student Checklist.

Applicants are selected for admission based on the (1) grade point average (GPA) in the required general education courses (see Checklist), (2) the BIOL 2010 grade, (3) the strength of the three reference forms, and (4) the interview score. The applicant earns admissions points from each of these categories. The

thirty applicants with the highest total number of admission points are granted provisional acceptance and are required to successfully (at the student's expense): (1) pass a Criminal Background Check, (2) pass a urine drug screen, and (3) complete and submit all pre-clinical requirements to be granted formal acceptance. The Background Check, drug screen and some medical screenings may be required annually. Students in the program are required to maintain an 80% average in each Radiologic Technology (RAD) course to continue in the program. Each RAD course must be taken in sequence.

To provide appropriate care to patients, all radiography students should be able to:

- Clearly communicate, both verbally and in writing with the patient, family, and co-workers to disseminate information relevant to patient care and work duties. Both speaking and hearing clearly are essential to quality patient care.
- Make appropriate judgment decisions and implement critical thinking skills in an emergency or where a situation is not clearly governed by specific guidelines.
- Reach, manipulate, and operate medical imaging equipment to include pushing heavy portable x-ray machines.
- Move, lift, transfer, manipulate, and observe a patient for imaging exams.
- Visually assess patients as needed for their comfort and safety.
- Demonstrate emotional stability on a routine basis and function independently in routine and/or stressful situations.

If you have additional questions, please contact one of the program faculty listed below.

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**Program Accreditation:** The program is fully accredited by the [Joint Review Committee on Education in Radiologic Technology \(JRCERT\)](https://www.jrcert.org/), 20 North Wacker Dr., Suite 2850; Chicago, IL 60606-3182; Phone 312.704.5300; Fax 312.704.5304. Email the JRCERT at [mail@jrcert.org](mailto:mail@jrcert.org). Visit the JRCERT website <https://www.jrcert.org/>

**Certification:** Graduates may apply for the national certification exam with the [American Registry of Radiologic Technologists \(ARRT\)](http://ARRT.org) <http://ARRT.org>

**Program Effectiveness:** Program effectiveness data can be found on the Rad Tech website [https://www.volstate.edu/sites/default/files/documents/healthsciences/vscc\\_rad\\_program\\_data.pdf](https://www.volstate.edu/sites/default/files/documents/healthsciences/vscc_rad_program_data.pdf)

**Program Mission Statement:** The Mission of the Radiologic Technology Program at Volunteer State Community College is to produce entry-level graduates that are competent technologists, registry eligible, and demonstrate a professional concern for their patients.

### Volunteer State Community College Radiologic Technology Program Student Checklist

1. **Complete all College Admission criteria:** visit [Vol State Admissions - volstate.edu/Admissions](https://www.volstate.edu/Admissions) Students interested in the radiology program will declare Health Sciences as the major and should follow the recommended schedule of courses. Once formally admitted into the program, the major will be changed to Radiologic Technology.
2. **Successful completion of co-requisite courses (if required) as determined by the ACT and/or placement test scores:** visit [Vol State Testing Center - volstate.edu/testing](https://www.volstate.edu/testing).
3. **Complete the Radiology Program Application** (the last page of the information packet): no later than April 1<sup>st</sup> and be submitted to the program faculty located in the Radiologic Technology Program Suite. The application can also be submitted [online](https://www.volstate.edu/academics/health-sciences/radtech/application) <https://www.volstate.edu/academics/health-sciences/radtech/application>.
4. **Have three reference forms completed and received by the Program office:** no later than May 1<sup>st</sup>. Reference forms are in this Information Packet (page 10).
5. **Complete all general education courses required for the Associate of Applied Science Degree in Radiologic Technology as listed below and maintain a minimum 3.0 GPA in these courses.** Visit the [Vol State Academic Catalog - https://catalog.volstate.edu/](https://catalog.volstate.edu/) for more information.

<b>Associate of Applied Science General Education</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1200	Introduction to Medical Imaging	2
AHC 115	Medical Terminology	3
BIOL 2010 & 2010L	Human Anatomy & Physiology I & Lab	4
BIOL 2020 & 2020L	Human Anatomy & Physiology II & Lab	4
ENGL 1010	English Composition I	3
MATH 1530 <b>OR</b>	Introduction to Statistics <b>OR</b>	3
MATH 1130 <b>OR</b>	College Algebra <b>OR</b>	(3)
Higher-Level Math	<b>Higher Level Math Course</b>	(3-4)
<b>Humanities / Fine Arts</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Any Humanities/Fine Arts Elective	3

<b>Social / Behavioral Sciences</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Any Social/Behavioral Sciences Elective	3

**Sample Semester by Semester Course Sequence: The Student will follow the Health Sciences major course schedule until formally admitted into the radiologic technology program.**

<b>Sample Fall Semester - General Education Courses for Health Sciences Major:</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHC 115	Medical Terminology	3
BIOL 2010	Human Anatomy & Physiology I	4
BIOL 2010L	Human Anatomy & Physiology I Lab	0
ENGL 1010	English Composition I	3
MATH 1530	Introduction to Statistics	3
	<b>Total Credit Hours</b>	<b>13</b>

<b>Sample Spring Semester - General Education Courses for Health Sciences Major:</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1200	Introduction to Medical Imaging	2
BIOL 2020	Human Anatomy & Physiology II	4
BIOL 2020L	Human Anatomy & Physiology II Lab	0
PHIL 1040	Introduction to Ethics	3
PSYC 1030	Introduction to Psychology	3
	<b>Total Credit Hours</b>	<b>12</b>

**Radiologic Technology Program Formal Admission:** Formal admission into the radiologic technology program is required prior to registering for the following courses:

<b>Radiologic Technology Program - Fall Semester</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1330	Radiographic Procedures I	3
RADT 1360	Radiographic Practicum I	3
RADT 1385	Radiographic Equipment Operation	3
RADT 2350	Advanced Patient Care	3
	<b>Total Credit Hours</b>	<b>12</b>

<b>Radiologic Technology Program - Spring Semester</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1340	Radiographic Procedures II	3
RADT 1370	Radiographic Practicum II	3
RADT 1380	Principles of Radiographic Physics	3
RADT 2310	Radiographic Pathology	3
	<b>Total Credit Hours</b>	<b>12</b>

<b>Radiologic Technology Program - Summer Semester</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 2260	Radiographic Practicum III	2
	<b>Total Credit Hours</b>	<b>2</b>

<b>Radiologic Technology Program - Fall Semester</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1350	Radiographic Digital Imaging	3
RADT 1390	Principles of Image Acquisition	3
RADT 2330	Radiographic Procedures III	3
RADT 2370	Radiographic Practicum IV	3
	<b>Total Credit Hours</b>	<b>12</b>

<b>Radiologic Technology Program - Spring Semester</b>		
<b>Category</b>	<b>Course Title</b>	<b>Credit Hours</b>
RADT 1310	Radiographic Image Critique	3
RADT 1320	Radiation Biology and Safety	3
RADT 2380	Radiographic Practicum V	3
RADT 2385	Radiographic Capstone	3
	<b>Total Credit Hours</b>	<b>12</b>

### Frequently Asked Questions

1. **What will the program prepare me to do?** Graduates of the program are eligible to sit for the national certification examination administered by the American Registry of Radiologic Technologists.
2. **When are students admitted to the program?** Interviews take place each year in May, classes begin in the fall.
3. **When is notification given of acceptance or non-acceptance to the program?** Each interviewee will be sent a status notification email in early June directly from the program office.
4. **Does the program keep a “waiting list?”** No.
5. **If I have all the general education courses completed, will it still take two full years?** The Program requires five semesters as a full-time radiology student (including summer) for completion.
6. **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. During clinics, students perform radiographic procedures on real patients with the guidance of Registered Technologists while working with other students, physicians, and other healthcare professionals. Students deal with blood and body fluids, surgical procedures, trauma, portable procedures, and routine radiography and will move and transport patients, including heavy lifting/reaching. Clinical sites are throughout middle Tennessee, about 100 miles from the Gallatin campus. The radiology faculty will make clinical assignments. Transportation to clinics and didactic courses is the student's responsibility.
7. **What courses should I take while waiting for program admission?** All required general education courses must be completed before the interview. Students interested in the radiology program will declare Health Sciences as their primary and follow the Health Sciences

recommended schedule. Students are strongly urged to attend a radiology information session. Dates for information sessions can be found on the Radiology Web site.

8. **What is the cost of the two-year program?** Students will pay maintenance fees and tuition based on the number of credit hours taken each semester. Additional approximate expenses include (some expenses may be annual): background check (\$49, annually), urine drug screen (\$40 annually), liability insurance (\$40 annually), books and markers (\$700), uniforms and shoes (\$100 - \$200), immunizations and titers (\$400 - \$600), clinic parking if needed (\$360), and CPR certification with book (\$70). Graduates apply to the American Registry of Radiologic Technologists for national certification testing (\$200). Background checks, urine drug screening, housing, meals, transportation, and all incidentals including immunizations/titers are at the student's expense.

9. **At what time of the day are classes offered?** Didactic courses are taught only on the Gallatin Campus typically from 8:00 am - 4:00 pm. Clinical hours vary but are typically 7:30 am - 4:00 pm.

10. **What about background checks and drug screens?** Students accepted in this program must, at the student's expense, provide evidence of a passing score on a background check and a urine drug screen prior to official acceptance in the program and again during the second year of the program. Failure to provide the required results by the due date or the receipt of anything other than a passing score will make a student ineligible for enrollment. Students will also be required to provide evidence of additional immunizations at the student's expense. Specific details regarding the background check, urine drug screen, and other requirements are given to students after conditional acceptance into the program is granted.

11. **Can a criminal record prevent a program graduate from taking the national certifying examination?** A previous conviction may disqualify a graduate from the certification process. Call the American Registry of Radiologic Technologists at 651-687-0048 for additional information.

12. **Who should complete my professional reference forms?** Employers, teachers, coaches, scout leaders, co-workers, church officials, and longtime friends are great resources. Family members are not acceptable references.

13. **What if I do not get accepted?** Acceptance is not guaranteed. Every year there are more qualified applicants than there are positions in the program. Students not accepted into the program may continue to pursue the Health Sciences degree and are eligible to re-interview the following year.

14. **What are the potential dangers of implants or foreign bodies located in radiologic technology students?** Magnetic resonance imaging uses a powerful magnetic field to create images. This powerful magnetic field will attract iron-containing objects and may cause them to move suddenly and with great force. Every magnetic resonance imaging facility has a comprehensive screening procedure and protocol to ensure patient, student and staff safety. Prior to attending clinics, a magnetic resonance imaging screening form will be supplied to students accepted into the program and must be returned to program faculty PRIOR to beginning clinics.

15. **What is the program policy relating to mammography modality rotation for male students?** As noted on page 11, and in the program policies, all male and female students will be offered the opportunity to participate in mammography clinical rotations. The program will make every effort to place a male student in a mammography clinical rotation if requested; however, the program cannot override clinical setting policies that restrict clinical experiences in mammography to female students. Male students are advised that placement in a mammography rotation is not guaranteed and is subject to the availability of a clinical setting that allows males to participate in mammographic imaging procedures. The program will not deny female students the opportunity to participate in mammography rotations if clinical settings are not available to provide the same opportunity to male students.