Admission Information

Roane State Community College - Radiologic Technology Program

The Radiologic Technology Program at Roane State Community College is a 22-month specialized program designed to provide the student with career opportunities in the field of radiology science. The college awards the student 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 prerequisite 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 or courses with the RADT prefix. A new cohort or class of students will begin only in the fall semester each year. Admission is competitive. Generally, the top fifty students receive interviews and the top thirty students are accepted into the program.

Applications:
All applicants for the radiologic technology program must first apply to Roane State, submit all required admissions documents, and be accepted by the college. Once accepted by the college, the eligible student can complete the Allied Health Science/Nursing application online through his/her RaiderNet account. Students should complete the application online through his/her RaiderNet account as soon as the student is admitted to the college. Applications remain active until the May 15th deadline. Applications received after the May 15th deadline will NOT be considered. The student must reapply every year that they seek to be an eligible applicant. Applications re-open during the Fall semester.

Transcripts:
Submit official copies of college transcripts by the May 15th deadline. Be diligent about checking the status in RaiderNet to ensure that your college transcripts have been received, evaluated, and courses posted.

Grades:
To be eligible for admission to the program, each applicant must achieve at least a 2.5 or better GPA in the required Rad Tech general education courses. GPA is calculated using only the required general education courses for the Rad Tech program. All of the prerequisite courses require a grade of “C” or better in each course that is required to apply to the program (see Rad Tech curriculum on page 2 or 8). A minimum of 9 credit hours of the general education requirements must be completed prior to application. Science courses must be taken within 5 years of the May 15th deadline; the program director may approve an exception on an individual basis with appropriate justification.

Advising:
It is recommended to contact a Rad Tech Advisor during your first semester, talk with one of the Rad Tech program faculty, or attend one of the Rad Tech group advising sessions on a date posted on the Rad Tech webpage.
## Prerequisite Courses for the Radiologic Technology Program

Register and complete the following prerequisite required courses for the Radiologic Technology curriculum.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 2010</td>
<td>Anatomy/Physiology I Prerequisite to all 2000 level RADT courses.</td>
<td>4</td>
<td>Must be taken within 5 years of application; exception must be approved by the program director</td>
</tr>
<tr>
<td>BIOL 2020</td>
<td>Anatomy/Physiology II Prerequisite to all 2000 level RADT courses.</td>
<td>4</td>
<td>Must be taken within 5 years of application; exception must be approved by the program director</td>
</tr>
<tr>
<td>RADT 1200</td>
<td>Introduction to Medical Imaging *Prior to Fall 2018, was ALH 103</td>
<td>2</td>
<td>Taught online only at Roane State every semester</td>
</tr>
<tr>
<td>Math Elective</td>
<td>Probability and Statistics Preferred (MATH 1530)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>Intro to Ethics (PHIL 1040) preferred</td>
<td>3</td>
<td>See page 8 or the catalog for eligible classes in art, music, theater, and philosophy. If more than one is completed, the highest grade is applied to admission points.</td>
</tr>
<tr>
<td>Social Studies Elective</td>
<td>General Psychology or Lifespan Development Psychology (PSYC 1030 or PSYC 2130) preferred</td>
<td>3</td>
<td>See page 8 or the catalog for eligible classes in social studies. If more than one is completed, the highest grade is applied to admission points.</td>
</tr>
</tbody>
</table>

### Prerequisite Total

| Prerequisite Total | 20 | |

1. The preferred Math course is MATH 1530 (Probability and Statistics). Other possible MATH electives can be selected from: MATH 1130, 1530, 1630, 1720, 1730, 1830, and 1910

2. Electives to be selected from: ARTH 1035, ARTH 2010, ARTH 2020, HUM 1010, MUS 1030, PHIL 1030, PHIL 1040, PHIL 2200, PHIL 2640, THEA 1030, any other ENGL Literature course* (ENGL 1020 is a prerequisite for literature courses)

3. Electives to be selected from: ANTH 1130, ANTH 1230, ANTH 1430, ANTH 2150, ECON 2100, ECON 2200, GEOG 2010, INTL 1010, POLS 1030, POLS 1010, PSYC 1030, PSYC 2220, PSYC 2130, SOCI 1010, SOCI 1040, WELL 1010

4. A minimum of 9 credit hours from the required general education electives with a grade of “C” or better must be completed prior to application.
Admissions Point System

The admission point system uses a cumulative approach to the selection of the top 30 applicants. The following criteria is utilized with the approximate percentage identified. All eligible applicants are ranked (based on criteria A-D) prior to interview notification and the top 50 are given the opportunity to interview. Applicant rankings are recalculated with the addition of criterion E. Maximum points toward admission are 50.

A. GPA (25%) - Cumulative point range 1-15 (max pts 15)

<table>
<thead>
<tr>
<th>GPA Range</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50-2.599</td>
<td>1 pt</td>
</tr>
<tr>
<td>2.60-2.699</td>
<td>2 pts</td>
</tr>
<tr>
<td>2.70-2.799</td>
<td>3 pts</td>
</tr>
<tr>
<td>2.80-2.899</td>
<td>4 pts</td>
</tr>
<tr>
<td>2.90-2.999</td>
<td>5 pts</td>
</tr>
<tr>
<td>3.00-3.099</td>
<td>6 pts</td>
</tr>
<tr>
<td>3.10-3.199</td>
<td>7 pts</td>
</tr>
<tr>
<td>3.20-3.299</td>
<td>8 pts</td>
</tr>
<tr>
<td>3.30-3.399</td>
<td>9 pts</td>
</tr>
<tr>
<td>3.40-3.499</td>
<td>10 pts</td>
</tr>
<tr>
<td>3.50-3.599</td>
<td>11 pts</td>
</tr>
<tr>
<td>3.60-3.699</td>
<td>12 pts</td>
</tr>
<tr>
<td>3.70-3.799</td>
<td>13 pts</td>
</tr>
<tr>
<td>3.80-3.899</td>
<td>14 pts</td>
</tr>
<tr>
<td>3.90-4.0</td>
<td>15 pts</td>
</tr>
</tbody>
</table>

B. Number of Gen Education Credit Hours Completed (3%) - Cumulative point range 0-2 (max pts 2)

<table>
<thead>
<tr>
<th>Credits Completed</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 12</td>
<td>0 pt</td>
</tr>
<tr>
<td>12-16</td>
<td>1 pt</td>
</tr>
<tr>
<td>17+</td>
<td>2 pts</td>
</tr>
</tbody>
</table>

C. Science and Math Grades (13%) - Cumulative point range 0-8 (max pts 8)

<table>
<thead>
<tr>
<th>Course and Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 1200 A</td>
<td>2 pts</td>
</tr>
<tr>
<td>RADT 1200 B</td>
<td>1 pt</td>
</tr>
<tr>
<td>MATH A*</td>
<td>2 pts</td>
</tr>
<tr>
<td>MATH B*</td>
<td>1 pt</td>
</tr>
<tr>
<td>BIO 2010 A</td>
<td>2 pts</td>
</tr>
<tr>
<td>BIO 2010 B</td>
<td>1 pt</td>
</tr>
<tr>
<td>BIO 2020 A</td>
<td>2 pts</td>
</tr>
<tr>
<td>BIO 2020 B</td>
<td>1 pt</td>
</tr>
</tbody>
</table>

*See list of acceptable math courses in degree plan

D. Interviews (50%) - Cumulative point range (max pts 25)

The following categories will be used during the interview to rate the candidate:
- Professional appearance
- Communication skills
- Knowledge of profession and necessary skills
- Motivation related to patient care
- Achievement and response to feedback
- Work ethic and initiative
- Communication and teamwork

Interviews are scheduled in the first two weeks of June. Once the interviews are completed, e-mail notifications are sent to RaiderNet accounts. Applicants receiving an e-mail must respond to indicate acceptance of their position in the program within five business days. Failure to reply will result in losing the position. Alternates will be notified only if a position in the class needs to be filled. The alternate with the highest point total will be called first and so on, until the class is filled. Applicants not obtaining admission will need to reapply the following year. The number of students accepted into the program may vary from year to year based on the job market and number of available clinical sites. Please note that the above point system is only for the current applicant pool.
Admissions Sequence of Events List

Prior to May 15th

1. Complete an online RSCC general application & RSCC required health forms.
2. Submit high school and college transcripts by deadline to RSCC.
3. Submit an online Health Science Application in RaiderNet by May 15th deadline.
4. Complete at least 9 credit hours of the general education courses (at a minimum).
5. Recommended attendance to a group advising session (2 offered per year).

May 15th – End of May

6. GPAs are calculated for eligible applicants.
7. Applicant files are viewed by the program director.
8. Admission points are assigned based on published criteria.
9. Up to 50 total applicants will be invited to interview based on preliminary point rankings. Final rankings following the interview component will determine the class selection.

Beginning to Mid-June

10. Interviews conducted by admissions interview committee.
11. Interview points added to preliminary points.
12. Applicants listed from highest to lowest points.
13. Top 30 applicants identified for admission opportunity.
14. Accepted students are voted on by Health Science Admissions Committee.
15. **Notification of status (acceptance or denial) will be sent through RaiderNet e-mail.** If notified of program acceptance, a student will have 5 days to electronically accept the offer. Failure to respond by the published deadline will result in forfeiture of position in the incoming class. Status e-mails are expected to be sent by the second week of June.
16. Adjustments made on acceptance pool based on electronic confirmations
17. Final class selected.
18. Applicants who are not admitted and choose to reapply for the next academic year must resubmit an online Health Science Application in RaiderNet.

June

19. Mandatory orientation with selected class
General Information

The Roane State Associate of Applied Science Degree Program in Radiologic Technology 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 lecture classes. However, in the second year of the program, students are required to complete four weeks of evening shift clinical. The program is affiliated with 17 area hospitals. Students may be assigned to various clinical sites during their 22 months of clinical coursework.

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.

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 statues.

ADA Statement

In compliance with the American Disabilities Act, it is the students' responsibility to contact the instructors concerning any special accommodations required for the completion of course requirements.

Rad Tech Program Approximate Costs

Textbooks average approximately $500 the first semester and $100 each additional semester
Gray uniform and all black leather shoes ($100-200)
Clinical Liability Insurance: $15 per year
Clinical costs: students assume the cost of transportation, parking, and meals
Physical exam and immunizations (mandatory prior to 1st day of clinical rotation)
CPR Certification: $50
Hepatitis B vaccination (highly recommended and required by some affiliates)
TB skin test every year
Background Check and Drug Screen: $100
Health insurance (highly recommended); student assumes the cost of medical coverage for injury/illness
Graduates apply to the American Registry of Radiologic Technologists (ARRT) for national certification testing ($200) during the last semester of the program
See the current catalog for out-of-state tuition and fees and residency requirement rules
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 and on page 2 and 8 of this packet. The catalog can be accessed on the main RSCC web page. Professional Rad Tech courses (RADT prefix) cannot be taken without first being accepted into the program.

A minimum of 9 credit hours of the general education courses must be completed prior to the May 15th application deadline of the year you apply for the Radiologic Technology Program. 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. **Courses completed and transcripts submitted after the published application deadline will NOT be considered for admission.**

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

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 and 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 amount of hours during surgical procedures
- possess interpersonal skills necessary for working with a diverse population of patients

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

Prospective students will receive an e-mail from Health Sciences Admissions to the 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 business days from when it was sent. After interviews have been completed, final acceptance e-mails will be sent mid-June.

4. How many hours a week will I be in class?

First year students will be enrolled in various Rad Tech lecture classes/labs anytime between 8 a.m. and 5:00 p.m. on Monday, Wednesday, and Friday. There are no evening or weekend Rad Tech 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 Rad Tech lecture 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 during the second year of the program and no weekend clinical. There is one full-time week of clinic intersession the second week of May during the summer semester (Monday thru 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 and/or clinic. If a student needs to make-up time missed, 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 regular semester after regularly scheduled clinical time is over.**

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

Students will be participating in unpaid clinical education (clinic) 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.
6. 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 make a commitment to drive varying distances once accepted into the program. Below is a list of the 17 clinical affiliates that the RSCC Rad Tech Program utilizes:

| Athens Regional Medical Center | Methodist Medical Center of Oak Ridge |
| Blount Memorial Hospital       | Morristown-Hamblen Healthcare System |
| Cookeville Regional Medical Center | Parkwest Medical Center |
| Cumberland Medical Center     | Roane Medical Center                |
| East Tennessee Children’s Hospital | Physicians Regional Medical Center |
| Fort Loudon Medical Center    | North Knoxville Medical Center      |
| Fort Sanders Regional Medical Center | LaFollette Medical Center |
| LeConte Medical Center        | Sweetwater Hospital Association    |
| Jamestown Regional Medical Center |

7. 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 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 Rad Tech, and Math. Since most students must have completed 9 credit hours of college coursework before being eligible for admission to the program, students may possibly enhance their chance of acceptance by first enrolling and successfully completing Intro to Rad Tech, Probability and Statistics (or other acceptable math), A&P I, and A&P II with grades of B or better.

8. Does the program keep a “waiting list”?

No. Each student must re-apply every year.

9. Does the Rad Tech Program at RSCC accept transfers from another institution’s Rad Tech program?

Information concerning students wishing to transfer to RSCC from other recognized 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 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.
Radiologic Technology (RADT) Degree Plan  
Associate of Applied Science  
*Effective Fall 2018*

General Education Requirements

Allied Health – 1 course (2 credits)
RADT 1200 Intro 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 2010 Art History Survey I
ART 2020 Art History Survey II
HUM 1010 Early Humanities
MUS 1030 Introduction to Music
THEA 1030 Introduction to Theater
PHIL 1030 Introduction to Ethics
PHIL 2220 Intro to World Religions
PHIL 2640 Science and the Modern World
Any other ENGL Literature course*  
*(ENGL1020 is a prerequisite)*

Mathematics – 1 course (3-5 credits)
MATH 1130 College Algebra
MATH 1530 Probability and Statistics
MATH 1630 Finite Mathematics
MATH 1720 Trigonometry
MATH 1730 Pre-Calculus
MATH 1830 Basic 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 Science – 1 course (3 credits)
ANTH 1130 Intro to Physical Anthropology
ANTH 1230 Intro to Cultural Anthropology
ANTH 1430 Intro to Prehistoric Archeology
ANTH 2150 Native American Studies
ECON 2100 Principles of Macroeconomics
ECON 2200 Principles of Microeconomics
GEOG 2010 World Regional Geography
INTL 1010 Intro to Global Studies
POLS 1030 American Government
POLS 1010 Intro to Political Science
PSYC 1030 General Psychology
PSYC 2210 Biological Basis of Behavior
PSYC 2130 Lifespan Development Psychology
SOCI 1010 Intro to Sociology
SOCI 1040 Social Problems
WELL 1010 Lifetime Wellness

RADT Courses to be Completed after Acceptance

**FIRST YEAR**

Fall Semester
RADT 1215 Intro to Radiography – 2 credits
RADT 1210 Image Critique I – 2 credits
RADT 1260 Radiography Practicum I – 2 credits
RADT 1330 Radiographic Procedures I – 3 credits
RADT 1385 Radiographic Equip Oper – 3 credits

Spring Semester
RADT 1235 Image Critique II – 2 credits
RADT 1340 Radiographic Procedures II – 3
RADT 1270 Radiography Practicum II – 2 credits
RADT 1390 Princ of Image Acquisition – 3 credits
RADT 1220 Rad Biology and Safety – 2 credits

Summer Semester
RADT 2260 Radiography Practicum III – 2 credits
RADT 2115 Image Critique III – 1 credit
RADT 2330 Radiographic Procedures III – 3 credits

**SECOND YEAR**

Fall Semester
RADT 2370 Radiography Practicum IV – 3 credits
RADT 2335 Radiographic Procedures IV – 3 credits
RADT 1380 Principles of Rad Physics – 3 credits
RADT 1380 Principles of Rad Physics – 3 credits
RADT 1250 Radiographic Digital Imaging – 2 credits

Spring Semester
RADT 2380 Radiography Practicum V – 3 credits
RADT 2250 Advanced Patient Care – 2 credits
RADT 2385 Radiographic Capstone – 3 credits
RADT 2210 Radiographic Pathology – 2 credits
RADT 2295 Radiography Seminar – 2 credits

Elective
RADT 2145 Special Topics – 2 credits

Total Degree Credits = 75

*General education courses are prerequisites to all 2000 level RADT courses.*

The Intent to Graduate form needs to be submitted to the Office of Graduation during the fall term of the second year.
Radiologic Technology Program Effectiveness Data

The performance of the Radiologic Technology program is reflected through program effectiveness data as defined by the Joint Review Committee on Education in Radiologic Technology (JRCERT) (20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312-704-5300, http://www.jrcert.org/). 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. Questions about program effectiveness data should be directed to the Program Director, Julie Hall (Hallja3@roanestate.edu).

The radiography program's 2017 annual report to JRCERT reflected the following:

Completion Rate - January 1 through December 31, 2017
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. The program's completion rate for 2017 was 90%. 27 of the 30 students expected to complete the program in 2017 went on to complete it in that year.

Credentialing Examination Pass Rate - 2013 through 2017
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. The figure reflects an average over a five-year span. The program's credentialing examination pass rate stated as an average from the years 2013 through 2017 is 95%. 132 of the 139 graduates of this program taking the ARRT certification examination within six months of graduation passed on the first attempt in the 2013 – 2017 reporting period.

ARRT Pass Rate for the Class of 2017 was 100%.

Job Placement Rate - 2013 through 2017
This is the number of students that gain employment in the radiologic sciences within six months of graduation versus the number that graduate and are actively seeking employment. The figure reflects an average over a five-year span. The program's job placement rate as an average from the years 2013 through 2017 is 97%. 126 of 123 graduates actively seeking employment obtained a position in the radiologic sciences in the 2013 – 2017 reporting period.

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 unemployment that requires relocation OR
3. Graduate is on active military duty OR
4. Graduate is continuing education
Academic and Technical Standard for the Radiologic Technology Program

The Radiologic Technology program has a responsibility to educate competent practitioners to care for their patients with critical judgment, broadly based knowledge, and well-developed technical skills. The Radiologic Technology program has academic as well as technical standards that must be met by students in order to successfully progress and graduate from its programs.

**Academic and Technical Standards:** The Radiologic Technology program provides the following general descriptions/examples to inform prospective and enrolled students of the academic and technical standards required in completing the program curriculum.

1. The academic and technical standards include examples of the performance abilities and characteristics that are necessary to successfully complete the requirements of the Radiologic Technology program. These standards are not requirements of admission into the programs and the examples are not all-inclusive.
2. Individuals interested in applying for admission to the Radiologic Technology program should review these standards to develop a better understanding of the skills, abilities, and behavioral characteristics required to successfully complete the program. Key areas for academic and technical standards include:
   - Acquiring fundamental knowledge;
   - Developing communication skills;
   - Interpreting data;
   - Integrating knowledge to establish clinical judgment;
   - Performance of skills associated with radiologic technology practice, and
   - Incorporating appropriate professional attitudes and behaviors into clinical practice capabilities.

Roane State Community College requires that access to its facilities, programs and services is available to all students, including students with disabilities (as defined by Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990 and the ADA Amendments Act of 2008) and all students can study with or without reasonable accommodation. The Radiologic Technology program provides reasonable accommodations to all students on a nondiscriminatory basis consistent with legal requirements as outlined in the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990 and the ADA Amendments Act of 2008. A reasonable accommodation is a modification or adjustment to an instructional activity, equipment, facility, program or service that enables a qualified student with a disability to have an equal opportunity to fulfill the requirements necessary for graduation from the program. To be eligible for accommodations, a student must have a documented disability of (a) a physical or mental impairment that substantially limits one or more major life activities of such individual; (b) a record of such impairment; or, (c) be regarded as having such a condition.

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Standards</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Acquiring fundamental knowledge</td>
<td>1. Ability to learn in classroom and educational settings</td>
<td>• Acquire, conceptualize, and apply evidence-based information from demonstrations and experiences in the basic and applied sciences, including but not limited to information conveyed through online coursework, lecture, group seminar, small group activities and physical demonstrations</td>
</tr>
<tr>
<td>2. Developing communication skills</td>
<td>1. Communication abilities for sensitive and effective interactions with patients</td>
<td>• Speaking clearly and concisely with patients, co-workers, and faculty</td>
</tr>
</tbody>
</table>
(persons, families and/or communities)
2. Communication abilities for effective interaction with the health care team (patients, their supports, other professional and non-professional team members)
3. Sense-making of information gathered from communication
4. Social intelligence

1. Critical thinking, problem-solving, and decision making ability needed to care for patients and/or communities across the health continuum
2. Intellectual and conceptual abilities to master the required knowledge and competencies of the program

• Compose documents in English and record accurate patient information
• Write legibly on legal patient’s paper chart or electronic software charting
• Accurately convey information and interpretation of information using one or more means of communication (verbal, written, assisted (such as TTY) and/or electronic) to patients and the health care team
• Effectively communicate in teams
• Determine a deeper meaning or significance in what is being expressed
• Connect with others to sense and stimulate reactions and desired interactions

3. Integrating knowledge to establish clinical judgment

• Accomplish, direct, or interpret assessment of patients and/or communities, and implement plans of care or direct the implementation of care
• Critically assess and develop content that uses new media forms, and to leverage these media for persuasive communication
• Literacy in and ability to understand concepts across disciplines

4. Sensory Skills/Interpreting Data-Visual, Auditory, Olfactory

1. Hearing ability sufficient to monitor and assess patient health needs
2. Normal or corrected visual ability sufficient for patient observation and assessment, ability to discriminate between subtle changes in density and contrast in radiographs, see in darkroom conditions

• Employ visual skills necessary to detect signs and symptoms, body language and infections
• Read computer screens, documents with small print, such as anesthesia cartridge labels
• Respond and react immediately to verbal instructions and requests

5. Performance of skills associated with radiologic technology practice

1. Gross and fine motor skills sufficient to provide safe and effective radiographer skills
2. Ability to lift and move patients and simulated patients using an appropriate level of

• Maintain and use patient care equipment
• Bend, stoop, squat and lift numerous times per day, up to 60 lbs

Requirements

**Standards**

1. Hearing ability sufficient to monitor and assess patient health needs
2. Normal or corrected visual ability sufficient for patient observation and assessment, ability to discriminate between subtle changes in density and contrast in radiographs, see in darkroom conditions

Examples

• Employ visual skills necessary to detect signs and symptoms, body language and infections
• Read computer screens, documents with small print, such as anesthesia cartridge labels
• Respond and react immediately to verbal instructions and requests

• Maintain and use patient care equipment
• Bend, stoop, squat and lift numerous times per day, up to 60 lbs
6. Incorporating appropriate professional attitudes and behaviors into radiologic technology practice

1. Demonstrate concern for others, integrity, ethical conduct, accountability, interest and motivation
2. Acquire Interpersonal skills for professional interactions with a diverse population of individuals, families and communities
3. Acquire Interpersonal skills for professional interactions with members of the health care team including patients, their supports, other health care professionals and team members
4. Acquire the skills necessary for promoting change for necessary quality health care
5. Cross-cultural competency
6. Virtual collaboration
7. Apply healthy stress management techniques

- Move around in small workspaces
- Maintain effective, mature, and sensitive relationships with clients/patients, students, faculty, staff, and other professionals under all circumstances
- Make proper judgments regarding safe and quality care
- Function effectively under stress and adapt to changing environments inherent in clinical practice
- Demonstrate professional role in interactions with patients, intra and inter professional teams
- Operate in different cultural settings (including disability culture)
- Work productively, drive engagement, and demonstrate presence as a member of a virtual team
- Use appropriate judgment in stressful situations

assistance without risk of injury to self or others
Mental and Physical Qualifications for Radiologic Technologists
(also called Essential Standards and Functions)

Introduction: Professional radiologic technology practice requires specific qualifications, abilities, knowledge, and skills. Typically, Rad Tech employers specify these as “minimal essential standards and functions” for employment as a practitioner. Although qualifications may vary among employers, the following list is provided to enable applicants and accepted students to informally assess their own capabilities for the radiologic technology profession prior to entering the Rad Tech program.

Essential Standards and Functions:

1. Work in a standing position and do frequent walking for twelve hours.
2. Frequently lift and transfer adult and child patients up to six inches from a stooped position and push or pull the weight of an adult up to three feet.
3. Frequently lift and transfer adult and child patients from a stooped to an upright position to accomplish bed to-chair and chair-to-bed transfers.
4. Frequently bend, stoop and squat in a variety of situations including small or awkward spaces.
5. Use hands, wrists, and arms to physically apply up to ten pounds of pressure in the performance of specific procedures (e.g., perform tests of muscle strength, prevent a patient fall, or conduct CPR).
6. Respond and react immediately to verbal instructions and requests, auditory sounds from monitoring equipment, and perform auditory assessments of patients.
7. Be able to move freely and physically maneuver in small spaces.
8. Possess sufficient visual acuity to perform close and distant visual activities involving objects, persons, and paperwork, as well as the ability to discriminate depth perception.
9. Discriminate between sharp and dull, hot and cold.
10. Perform mathematical calculations for preparation and application of contrast agents or other medications.
11. Communicate effectively in the English language, both orally and in writing, using appropriate grammar, spelling, vocabulary and word usage.
12. Comprehend verbal and written directions and make appropriate notations.
13. Access patient/client information from written or electronic record and be able to document care provided using legible handwriting, a desktop computer, or a portable device.
14. Develop the ability to make appropriate and timely decisions under stressful situations.
15. Demonstrate sufficient endurance to complete up to an eight-hour clinical rotation (technologists in the career field often work up to 12-hour shifts).
16. Use critical thinking abilities to apply clinical judgement and implement individual patient care decisions within the radiology department.
17. Use interpersonal skills to interact with individuals from a variety of social, economic, religious, racial, cultural and intellectual backgrounds.