



AAS DEGREE - CODE #0628

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Radiologic technology is a two-year AAS degree program preparing qualified students to become health care professionals who administer ionizing radiation to produce photographic and digital anatomical images for diagnostic, therapeutic, and research applications. The program coordinates on-campus didactic and laboratory classes and clinical experiences at area hospitals to which students are responsible for their own transportation. Students must be able to demonstrate technical standards and pass clinical competencies as described by the American Registry of Radiologic Technologists (ARRT) and the Joint Review Committee on Education in Radiologic Technology (JRCERT), recognized by the United States Department of Education as the national accreditation agency of programs for radiographers. Upon graduation, students are prepared to take the American Registry Certification Exam administered by ARRT and be granted New York State licensure through the New York State Department of Health.

Clinical education is assigned to provide experiences consistent with the student's level of achievement in different hospital environments. Through clinical assignments, students have opportunities to work with the most modern and specialized equipment available and knowledgeable staff with a wealth of experience in imaging. Clinical education assignments include eight clinical hours per week during the second semester of study and 24 clinical hours per week the third and fourth semesters. In addition, a 15-week (40 hours per week) summer session is required and provides valuable experience in developing clinical competency skills. Clinical placements are in hospitals near Alfred State, so students completing the summer session will require housing close enough to their clinical placements to travel there on a daily basis. For those who need it, summer housing is available at Alfred State; contact the Office of Residential Services for details.

The program currently admits 35 students each year, with a fall semester start date only. Four student placements are reserved for an on-campus curriculum change, with the remaining 31 placements being filled by Admissions.

ADVANTAGES

- Prepares the student for the American Registry of Radiologic Technologists' certification examination and New York State licensure.
- Energized laboratory on campus.
- Low student-to-faculty ratio.
- Major emphasis in the required courses is gaining proficiency in the technical skills necessary for radiologic technology.
- Extensive clinical experience in area hospitals.

MISSION STATEMENT

The radiologic technology program embraces the mission and vision statements of Alfred State. It enables students to become competent, efficient, and caring radiographers. The program also has the primary responsibility to ensure that the student has acquired the positive characteristics of dedication to duty, quality care, teamwork, and high ethical standards as they relate to the patient, their families, physicians, and other health care providers. The program embraces the mission and core values of Alfred State in its education of students enrolled in the program.

PROGRAM GOALS

- To develop competent practitioners capable of functioning in the highly technical and dynamic field of radiologic technology.
- To develop competent practitioners who demonstrate proficiency in communication skills.
- To develop competent practitioners who demonstrate proficiency in critical thinking skills and problem-solving skills.
- To develop practitioners who model professionalism.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAMS

Alfred State radiologic technology graduates who pass their ARRT exam may enter directly into the imaging sciences BTech with the option of either computed tomography, MRI, or healthcare management concentration. As well, graduates may enter directly into the healthcare management BTech, interdisciplinary studies BTech, or the technology management BBA program.

ACCREDITATION/CERTIFICATION

The radiologic technology program at Alfred State is fully accredited by JRCERT (the Joint Review Committee on Education in Radiologic Technology) through 2025. JRCERT is the only agency recognized by the US Department of Education for accreditation of educational programs in radiologic technology.

Joint Review Committee on Education in Radiologic Technology

20 N. Wacker Drive, Suite 2850

Chicago, IL, 60606-3182

Phone: 312-704-5300

Email: mail@jrcert.org

PROGRAM EFFECTIVENESS DATA

The following is the most current program effectiveness data. Our programmatic accreditation agency, the Joint Review Committee on Education in Radiologic Technology (JRCERT), defines and publishes this information. [Click here](#) to go directly to Alfred State College's program page on the JRCERT webpage. **Credentialing Examination:** The number of students who pass, on the first attempt, the American Registry of Radiologic Technologists (ARRT) certification examination, or an unrestricted state licensing examination, compared with the number of graduates who take the examination within six months of graduation. The five-year average benchmark established by the JRCERT is 75%.

Credentialing Examination Rate		number passed on 1st attempt divided by number attempted within 6 months of graduation
Year	Results	
Year 1 - 2019	14 of 14 - 100%	
Year 2 - 2020	11 of 14 - 79%	
Year 3 - 2021	14 of 17 - 82%	
Year 4 - 2022	8 of 14 - 57%	
Year 5 - 2023	7 of 11 - 64%	
Program 5-Year Average	54 of 70 - 77.1%	

Job Placement: The number of graduates employed in the radiologic sciences compared to the number of graduates actively seeking employment in the radiologic sciences within twelve months of graduating. The five-year average benchmark established by the JRCERT is 75%.

Job Placement Rate		number employed divided by number actively seeking employment within 12 months of graduation
Year	Results	
Year 1 - 2019	14 of 14 - 100%	
Year 2 - 2020	12 of 12 - 100%	
Year 3 - 2021	16 of 16 - 100%	
Year 4 - 2022	14 of 14 - 100%	
Year 5 - 2023	11 of 11 - 100%	
Program 5-Year Average	67 of 67 - 100%	

Program Completion: The number of students who complete the program within the stated program length. The annual benchmark established by the program is 75%.

Program Completion Rate

Year	number graduated divided by number started the program	Results
Year - 2023		11 of 12
Annual Completion Rate		91.7%

EMPLOYMENT STATISTICS

% Employed	% Cont Ed	% Comb E&CE	% Knowledge Rate
82%	18%	100%	61%

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Applicants for the radiologic technology program must possess a recognized high school diploma or its equivalent. A standardized test (SAT or ACT) is not required but recommended. Specific high school course requirements and recommendations are:

Required: Algebra, Geometry, Algebra 2, Biology, Interview with the academic department.

Recommended: Chemistry and Physics

Applicants with previous college experience must submit an official college transcript, as their success at the college level will be an admissions consideration. Due to the technical and science rigor, entrance requirements are higher than those of the institution.

APPLICATION DEADLINES

Students are encouraged to apply prior to Dec. 1 in order to be included in the priority review process. Qualified applicants who meet the academic criteria will be invited to participate in an interview with the selection committee. Students will be notified of their decision by mid-January and will be required to submit their enrollment deposit by March 1.

Completed applications received after Dec. 1 will be included in the traditional rolling admissions process.

TECHNICAL STANDARDS

To participate in the program, the applicant must possess specific non-academic skills. The technical standards described below are consistent with the duties of an entry-level sonographer in a professional position and are required in order to provide adequate patient care and produce a diagnostic image.

The applicant should have the:

- Ability with reasonable accommodation, if necessary, to reach and position the patients on the exam table.
- Ability with reasonable accommodation, if necessary, to move, adjust, and manipulate equipment to perform imaging procedures.
- Ability to review and evaluate recorded images to determine the quality of the image with reasonable accommodation.
- Ability to communicate effectively with patients, doctors, and other personnel so that the patient is not placed in an "at-risk" situation.
- Ability to make proper decisions involving patient and co-worker safety.
- Ability with reasonable accommodation, if necessary, to hear sounds that are necessary to assess patient's health status.

FACILITIES

The program is located in the radiologic technology suite, which includes two lecture classrooms connected to a non-energized and an energized radiology laboratory. Clinical experience is at various local hospitals and clinic sites.

CONTINUING EDUCATION OPPORTUNITIES

The program allows graduates to transfer to a two-year program in radiologic science such as ultrasound, advanced radiologic imaging, nuclear medicine, and radiation therapy.

OCCUPATIONAL OPPORTUNITIES

- Hospital Radiology Department staff technologist

- Advanced imaging modalities - CT, cardiovascular intervention, mammography
- Radiology education
- Radiology Department management
- Industry
- Private physician offices

REQUIRED EQUIPMENT

A tier 1 laptop computer is required for students entering this degree program. Laptop specifications are available at www.alfredstate.edu/required-laptops.

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

RADIOLOGIC TECHNOLOGY - AAS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

First			
BIOL	1404	Anatomy & Physiology I	4
RADT	1013	Fundamentals of Radiologic Sci	3
RADT	2023	Radiographic Procedures I	3
RADT	2021	Radiographic Procedures I Lab	1
RADT	1001	Radiology Observation	1
MEDR	1133	Medical Terminology	3
			15
Second			
RADT	2003	Radiobiological Protection	3
RADT	3013	Radiographic Procedures II	3
RADT	3011	Radiographic Procedures II Lab	1
RADT	2041	Radiology Clinical I	1
BIOL	2504	Anatomy & Physiology II	4
RADT	1003	Radiation Physics	3
			15
Summer			
RADT	2044	Radiology Clinical II	4
Third			
RADT	3023	Diagnostic Imaging I	3
COMP	1503	Writing Studies	3
RADT	3043	Radiology Clinical III	3
BIOL	4403	Pathophysiology	3
MATH	xxx3	College Algebra or higher	3
			15
Fourth			
RADT	4023	Diagnostic Imaging II	3
GLST	2113	Global & Diverse Perspectives	3
RADT	4043	Radiology Clinical IV	3
PSYC	1013	General Psychology	3
SPCH	1083	Public Speaking	3
			15

POLICY: ACADEMIC STANDARDS AND GRADING

Students who do not maintain at least a C+ grade in all RADT and BIOL courses will not meet program requirements and will be unable to progress further into the program. Students are subject to warnings, probation, mandatory remedial study and/or dismissal if multiple failures (two or more

courses) exist. A student will not be able to continue in the program until the prerequisites for the previous class have been successfully completed. Student support services and counseling are available for all students.

Grading Scale

A	=	90 and above
B+	=	85-89
B	=	80-84
C+	=	75-79
C	=	70-74
D+	=	65-69
D	=	60-64
F	=	60 and below

Be advised that a prior felony conviction may impede a student's ability to participate in a required clinical experience.

GRADUATION REQUIREMENTS

The AAS degree in radiologic technology has finely prescribed courses reflective of accreditation standards for students to be prepared for admission to the American Registry of Radiologic Technologists' Certification Examination and New York State licensure granted by the Department of Health. Specific graduation requirements are:

- 64 total semester credit hours
- Minimum of 20 credit hours of liberal arts and sciences from three of the 10 SUNY General Education categories
- 2.0 cumulative GPA and a grade of "C+" or better in the core science courses (RADT and BIOL prefixes)
- Approval of department faculty