Radiologic Technology (AAS)

AAS DEGREE - CODE #0628
Jenna Zetwick, Program Director
Email address: zetwick@alfredstate.edu

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 12-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 20 students each year, with a fall semester start date only. One student placement is reserved for an on-campus curriculum change, with the remaining 19 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.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAMS
Alfred State radiologic technology graduates may enter directly into either the healthcare management BTech, the interdisciplinary studies BTech, or the technology management BBA degree program.

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

JRCERT
20 N. Wacker Drive, Suite 2850
Chicago, IL, 60606-3182
Phone: 312-704-5300
Fax: 312-704-5304
Email: mail@jrcert.org
http://www.jrcert.org

PROGRAM EFFECTIVENESS DATA
ARRT Examination Pass Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Students Attempting Exam</th>
<th>Number of Students Passing Exam on First Attempt</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015*</td>
<td>10</td>
<td>9</td>
<td>90%</td>
</tr>
<tr>
<td>2016*</td>
<td>11</td>
<td>9</td>
<td>82%</td>
</tr>
<tr>
<td>2017</td>
<td>15</td>
<td>13</td>
<td>87%</td>
</tr>
<tr>
<td>2018</td>
<td>13</td>
<td>11</td>
<td>84.6%</td>
</tr>
<tr>
<td>2019</td>
<td>14</td>
<td>13</td>
<td>87%</td>
</tr>
</tbody>
</table>

Five Year Average


Program Completion Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Students Beginning the Program</th>
<th>Number of Students Graduating From the Program</th>
<th>Percent Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015*</td>
<td>10</td>
<td>9</td>
<td>90%</td>
</tr>
<tr>
<td>2016*</td>
<td>11</td>
<td>9</td>
<td>82%</td>
</tr>
<tr>
<td>2017</td>
<td>13</td>
<td>11</td>
<td>84.6%</td>
</tr>
<tr>
<td>2018</td>
<td>20</td>
<td>16</td>
<td>80%</td>
</tr>
<tr>
<td>2019</td>
<td>18</td>
<td>14</td>
<td>78%</td>
</tr>
</tbody>
</table>

Five Year Average


Transfer program effective data 5 year average:

Exam - 93%
Program Completion - 93%
Job Placement - 93%

Job Placement Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Students Actively Seeking Employment</th>
<th>Number of Students Employed Within 12 Months</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015*</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2016*</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>15</td>
<td>14</td>
<td>93%</td>
</tr>
<tr>
<td>2019</td>
<td>11</td>
<td>11</td>
<td>100%</td>
</tr>
</tbody>
</table>

Five Year Average
RADILOGIC TECHNOLOGY - AAS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

<table>
<thead>
<tr>
<th>First</th>
<th>Second</th>
<th>Third</th>
<th>Fourth</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT</td>
<td>RADT</td>
<td>RADT</td>
<td>RADT</td>
</tr>
<tr>
<td>1004</td>
<td>2003</td>
<td>3023</td>
<td>4023</td>
</tr>
<tr>
<td>Fundamentals of Radiologic Sci</td>
<td>Radiobiological Protection</td>
<td>Diagnostic Imaging I</td>
<td>Diagnostic Imaging II</td>
</tr>
<tr>
<td>RADT</td>
<td>1003</td>
<td>3014</td>
<td>4003</td>
</tr>
<tr>
<td>Radiation Physics</td>
<td>Radiographic Procedures I</td>
<td>Radiologic Clinical III</td>
<td>Intro to Adv Diagnostic Imagin</td>
</tr>
<tr>
<td>COMP</td>
<td>1503</td>
<td>3043</td>
<td>4043</td>
</tr>
<tr>
<td>Freshman Composition</td>
<td>Radiology Clinical III</td>
<td>Radiology Clinical IV</td>
<td>Radiology Clinical IV</td>
</tr>
<tr>
<td>MATH</td>
<td>xxx3</td>
<td>4403</td>
<td>4013</td>
</tr>
<tr>
<td>College Algebra or higher</td>
<td>Pathophysiology</td>
<td>Prof Development in Imaging Sc</td>
<td>Prof Development in Imaging Sc</td>
</tr>
<tr>
<td>BIOL</td>
<td>1404</td>
<td>2504</td>
<td>1083</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology I</td>
<td>Anatomy &amp; Physiology II</td>
<td>Effective Speaking</td>
<td></td>
</tr>
</tbody>
</table>

Grade of “C+” or better required for all BIOL and RADT prefix courses.

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

LEGAL DISCLOSURE

The statements concerning licensure, certification, and employment are based on information available as of publication date. Recipients of the AAS degree from Alfred State College are encouraged to verify the current requirements with the applicable regulatory bodies.

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
Recommended: Chemistry and Physics

Students who believe they need a reasonable accommodation to participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at DisabilityServices@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.

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 four-year program in radiologic science such as ultrasound, 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

EMPLOYMENT STATISTICS

Employment and continuing education rate of 100 percent – 100 percent are employed.