RADIOLOGIC TECHNOLOGY
Associate in Applied Science Degree | Career Program
Department of Nursing and Allied Health Sciences

A radiologic technologist is a skilled professional who provides a specialized health care service. This rewarding profession involves the operation of sophisticated equipment in a rapidly expanding field. The Radiologic Technology Program in the Department of Nursing and Allied Health Sciences at Bronx Community College prepares students as entry-level qualified licensed and registered radiographers.

The term “diagnostic radiography” is used to describe a variety of radiographic or x-ray examinations. Most people are familiar with chest x-rays and also x-rays to diagnose broken bones. The radiographer performs these procedures as well as those which require the use of contrast agents that make it possible to study organs that otherwise cannot be seen.

Admission requirements for Radiologic Technology curriculum include:

• Complete all required remediation and successfully pass all CUNY Skills Assessment Tests.

• Achieve a minimum grade of C+ in BIO 23 and MTH 13 / 30 by the conclusion of spring semester prior to entry. The Radiologic Technology Program only admits students in the fall.

• Possess a pre-clinical course sequence average of 2.77 or higher in ENG 110/111, HIS 10/11, COMM 11, PSY 11 and PEA. Students who have completed these courses at another college will have to submit their transcripts. It is recommended that ENG 10/11, HIS 10/11, COMM 11, PSY 11, BIO 24 and PEA be completed prior to entry to the Radiologic Technology course work (RAD and CLE designated courses).

• Pre-radiologic technology students are allowed two attempts to achieve a C+ in BIO 23 (Human Anatomy and Physiology I) and MTH 13 (Trigonometry and College Algebra/MTH 30 (Pre-Calculus Mathematics). A grade of W (official withdrawal) will not count as an attempt in these two courses. A minimum grade of C+ in these courses is a requirement for admission into the Radiologic Technology Program. The Radiologic Technology Program’s Committee on Admissions and Waivers has the right to allow the student an additional attempt when there is evidence of extenuating circumstances. Extenuating circumstances need to have legal and/or official documentation and must be presented to the Committee on Admissions and Waivers before a waiver will be granted.

Radiologic Technology (RAD, CLE) courses are open only to Radiologic Technology majors.

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology and the New York State Department of Health.

Complaints may be addressed to the JRCERT at the following address.

Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182
Phone: 312.704.5300 | Fax: 312.704.5304
http://www.jrcert.org/

Students receive their clinical education at Montefiore Medical Center, Jacobi Medical Center, New York Presbyterian Hospital, or Montefiore Wakefield Division. All facilities are accessible by public transportation.

Upon successful completion of the program, students are eligible for the national and state certifying examinations. Graduates may go on to earn a higher degree in radiological health sciences.

Graduates have a wide selection of clinical settings to choose from, including hospitals and medical centers, out-patient imaging facilities, public health institutions and government and private research institutes that require radiographers.

Mission Statement
The mission of the Bronx Community College Radiologic Technology Program is to graduate competent radiographers who are eligible for examination with the American Registry of Radiologic Technology.

Goals of the Radiologic Technology Program
Goal 1: Students will be clinically competent.
Student Learning Outcomes:

• Students will perform radiographic examinations.
• Students will demonstrate effective patient care skills.
• Students will practice the principles of ALARA.

Goal 2: Students will demonstrate effective communication skills.
Student Learning Outcomes:

• Students will demonstrate written communication skills.
• Students will demonstrate oral communication skills.
Goal 3: Students will demonstrate critical thinking and problem solving skills.
Student Learning Outcomes:
- Students will apply alternate methodologies for trauma patients.
- Students will recognize diagnostic images and modify to improve quality.

Goal 4: Students will demonstrate professionalism.
Student Learning Outcomes:
- Students will conduct themselves according to professional standards.

CREDENTIALING EXAMINATION (ARRT) PASS RATE
Five-year average credentialing examination (American Registry of Radiologic Technologists Radiography examination) pass rate of not less than 75% at first attempt within six months of graduation.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent passing on 1st attempt</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>100%</td>
<td>33 out of 33 passed on 1st attempt</td>
</tr>
<tr>
<td>2013</td>
<td>97%</td>
<td>29 out of 30 passed on 1st attempt</td>
</tr>
<tr>
<td>2014</td>
<td>100%</td>
<td>29 out of 29 passed on 1st attempt</td>
</tr>
<tr>
<td>2015</td>
<td>92%</td>
<td>23 out of 25 passed on 1st attempt</td>
</tr>
<tr>
<td>2016</td>
<td>92.9%</td>
<td>26 out of 28 passed on 1st attempt</td>
</tr>
<tr>
<td></td>
<td>Five Year Average</td>
<td>96.4%</td>
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</table>

PROGRAM COMPLETION RATE
Program completion rate is defined as the number of students who complete the didactic and clinical phase of the program within 150% of the program length. The program length is 24 months.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent completion</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>69.4%</td>
<td>36 started, 25 graduated</td>
</tr>
<tr>
<td>2012</td>
<td>82.5%</td>
<td>40 started, 33 graduated</td>
</tr>
<tr>
<td>2013</td>
<td>91.6%</td>
<td>36 started, 33 completed</td>
</tr>
<tr>
<td>2014</td>
<td>76.3%</td>
<td>38 started, 29 graduated</td>
</tr>
<tr>
<td>2015</td>
<td>75%</td>
<td>36 started, 27 graduated</td>
</tr>
<tr>
<td>2016</td>
<td>76.3%</td>
<td>38 started, 29 graduated</td>
</tr>
<tr>
<td></td>
<td>Five Year Average</td>
<td>80.3%</td>
</tr>
</tbody>
</table>
## JOB PLACEMENT RATE

Five-year average job placement rate of not less than 75% at first attempt within twelve months of graduation.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent job placement</th>
<th>Number of students</th>
</tr>
</thead>
</table>
| 2012 | 86.6%                  | 15 Graduates completed graduate survey or telephone survey  
2 Not actively seeking employment  
13 Employed within 12 months of graduation |
| 2013 | 84.4%                  | 15 Graduates completed graduate survey or telephone survey  
4 Not actively seeking employment  
13 Employed within 12 months of graduation |
| 2014 | 81.8%                  | 24 Graduates completed graduate survey or telephone survey  
2 Not actively seeking employment  
18 Employed within 12 months of graduation |
| 2015 | 91.4%                  | 25 Graduates eligible to work  
2 Not actively seeking employment  
23 Employed within 12 month of graduation |
| 2016 | 91.3%                  | 29 Graduates completed graduate survey or telephone survey  
4 Unable to contact  
2 Not actively seeking employment  
2 Not eligible for employment  
21 Employed within 12 months |
| Five Year Average | 86.6% |
RADIOLOGIC TECHNOLOGY CURRICULUM (PATHWAYS)
65 Credits required for AAS Degree
Curriculum Coordinator:
Professor Virginia Mishkin, M.S., R.T. (R) (M) (QM)

Required Core
A. English Composition
   • ENG 110 Fundamentals of Composition and Rhetoric OR ENG 111 Composition and Rhetoric I (3 Credits)
C. Life and Physical Sciences
   • BIO 23 Human Anatomy and Physiology I (4 Credits)

Flexible Core
A. World Cultures and Global Issues
   • HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World (3 Credits)
D. Individual and Society
   • COMM 11 Fundamentals of Interpersonal Communication (3 Credits)
E. Scientific World
   • BIO 24 Human Anatomy and Physiology II (4 Credits)
   Additional Flexible Core Requirement – Area D
   • PSY 11 Introduction to Psychology (3 Credits)

SUBTOTAL 20

Major Requirements
• CLE 11 Clinical Radiography Fundamentals (0.5 Credit)
• CLE 15 Clinical Radiography I (0.5 Credit)
• CLE 21 Clinical Radiography II (1 Credit)
• CLE 31 Clinical Radiography III (1 Credit)
• CLE 41 Clinical Radiography IV (1.5 Credit)
• CLE 45 Clinical Radiography V (0.5 Credit)
• CLE 51 Clinical Radiography VI (1.5 Credit)
• CLE 61 Clinical Radiography VII/Senior Seminar (1 Credit)
• MTH 131 Trigonometry and College Algebra (3 Credits)
• PEA Physical Education activity course (1 Credit)
• RAD 11 Fundamentals of Radiologic Sciences and Health Care (3.5 Credits)
• RAD 12 Radiographic Exposure I (2.5 Credits)
• RAD 13 Radiographic Procedures I (3 Credits)
• RAD 15 Radiographic Anatomy I (2 Credits)
• RAD 16 Patient Care and Pharmacology in Radiologic Sciences (2.5 Credits)
• RAD 22 Radiographic Exposure II (2.5 Credits)
• RAD 23 Radiographic Procedures II (3 Credits)
• RAD 24 Radiation Protection (2 Credits)
• RAD 25 Radiographic Anatomy II (1 Credit)
• RAD 32 Imaging Modalities (2 Credits)
• RAD 33 Radiographic Procedures III and Cross Sectional Anatomy (2 Credits)
• RAD 34 Radiographic Pathology (2 Credits)
• RAD 42 Radiation Biology (2 Credits)
• RAD 43 Quality Assessment/Management (1 Credit)
• RAD 71 Radiation Physics (2.5 Credits)

SUBTOTAL 45

1 MTH 30 should be considered for transfer to a senior college.
2 Note that the sequence of the academic and clinical curriculum of the program is scheduled Monday-Thursday between 8 a.m. and 4 p.m. (the exception is CLE 11, 8 am to 2 pm Friday; the Thursday section of CLE 11 meets 11:30 am to 5:30 pm).

Basic Life Support and Basic First Aid — All radiologic technology students are required to be certified in cardiopulmonary resuscitation and basic first aid by December 15 of their first clinical year. CPR will be offered by an outside agency in December of the first semester. The student is responsible for the cost of the CPR class.

Health Requirements — All radiologic technology students must meet special health requirements to practice in clinical agencies.

Students will be accepted and assigned to clinical experiences and otherwise treated without regard to sex, sexual orientation, race, creed, color, national origin, age, marital or veteran status in accordance with the laws of the city, state and nation.