

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.

Year	Percent passing on 1st attempt	Number of students
2012	100%	33 out of 33 passed on 1st attempt
2013	97%	29 out of 30 passed on 1st attempt
2014	100%	29 out of 29 passed on 1st attempt
2015	92%	23 out of 25 passed on 1st attempt
2016	92.9%	26 out of 28 passed on 1st attempt
Five Year Average	96.4%	

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.

Year	Percent completion	Number of students
2011	69.4%	36 started, 25 graduated
2012	82.5%	40 started, 33 graduated
2013	91.6%	36 started, 33 completed
2014	76.3%	38 started, 29 graduated
2015	75%	36 started, 27 graduated
2016	76.3%	38 started, 29 graduated
Five Year Average	80.3%	

JOB PLACEMENT RATE

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

Year	Percent job placement	Number of students
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 Requirements²

- 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.