RADIOLOGIC TECHNOLOGY
(A.A.S Degree)
Director: Prof. Virginia Mishkin, M.S., R.T. (R) (M) (QM)

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 by the conclusion of spring semester prior to entry. The Radiologic Technology Program only admits students in the fall.
■ Possess a preclinical course sequence average of 2.77 or higher in ENG 10/11, HIS 10/11, CMS 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, CMS 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). 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.

Students receive their clinical education at Montefiore Medical Center, Jacobi Medical Center, New York Presbyterian Hospital, or Montefiore Medical Center North 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 taking the examination of the American Registry of Radiologic Technologists.

**Goals of the Radiologic Technology Program**

**Goal: Students will be clinically competent.**

Student Learning Outcomes:
- Students will apply positioning skills.
- Students will demonstrate effective patient care skills.

**Goal: Students will demonstrate professionalism.**

Student Learning Outcomes:
- Students will conduct themselves in the clinical setting according to professional standards.

**Goal: Students will demonstrate critical thinking.**

Student Learning Outcomes:
- Students will be able to apply alternate methodologies for Trauma and non-conforming patients.
- Students will be able to recognize diagnostic images and modify to improve quality as necessary.

**Goal: Students will demonstrate effective communication skills.**

Student Learning Outcomes:
- Students will demonstrate written skills.
- Students will demonstrate Oral Skills

**Program Effectiveness Data (2011-2012)**

- Program Completion Rate: 69.4%
- Credentialing Examination Pass Rate: (5-Year average pass rate at 1st attempt within six months of graduation) 98.2%
- Job Placement Rate: 5-Year average job placement rate (within six months of graduation) 85.1%

**Radiologic Technology Curriculum**

65 Credits required for A.A.S. Degree

**Core Requirements**
- ENG 10 Fundamentals of Composition and Rhetoric I OR
- ENG 11 Composition and Rhetoric I

- CMS 11 Fundamentals of Interpersonal Communication

- HIS 10 History of the Modern World OR
HIS 11 Introduction to the Modern World .................................................................3
■ PEA Physical Education activity course .................................................................1
■ BIO 23 Human Anatomy & Physiology I ...............................................................4
■ BIO 24 Human Anatomy & Physiology II .............................................................4
■ MTH 13* Trigonometry & College Algebra..........................................................3
Total 21

Required Areas of Study
■ PSY 11 Introduction to Psychology ........................................................................3

Specialization Requirements †
■ RAD 11 Fundamentals of Radiologic Sciences and Health Care ....................3.5
■ RAD 12 Radiographic Exposure I ..........................................................................2.5
■ RAD 13 Radiographic Procedures I ......................................................................3
■ RAD 14 Recording Media and Processing ............................................................1
■ RAD 15 Radiographic Anatomy I ..........................................................................2
■ RAD 16 Patient Care and Pharmacology in Radiologic Sciences ....................2.5
■ CLE 11 Clinical Radiography Fundamentals ......................................................1
■ CLE 15 Clinical Radiography I ............................................................................. .5
■ RAD 22 Radiographic Exposure II ....................................................................2.5
■ RAD 23 Radiographic Procedures II .................................................................3
■ RAD 24 Radiation Protection .............................................................................2
■ RAD 25 Radiographic Anatomy II .....................................................................1
■ CLE 21 Clinical Radiography II ......................................................................... .5
■ CLE 31 Clinical Radiography III ..........................................................................1.5
■ RAD 32 Imaging Modalities ................................................................................2
■ RAD 33 Radiographic Procedures III and Cross Sectional Anatomy ................2
■ RAD 34 Radiographic Pathology .........................................................................2
■ CLE 41 Clinical Radiography IV .........................................................................1
■ CLE 45 Clinical Radiography V .........................................................................0.5
■ RAD 42 Radiation Biology ..................................................................................2
■ RAD 43 Quality Assessment/Management .........................................................1
■ RAD 71 Radiation Physics ...................................................................................2
■ CLE 51 Clinical Radiography VI ..........................................................................0.5
■ CLE 61 Clinical Radiography VII / Senior Seminar ............................................1.5
Total 41

Note: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.

*MTH 30 should be considered for transfer to a senior college.
†Note that the sequence of the academic and clinical curriculum of the program is scheduled Monday-Thursday between 9 a.m. and 4 p.m (the exception is CLE 11, 9 a.m. to 3 p.m. on Friday).
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.

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

Malpractice Insurance — Radiologic technology students are required to carry $1-3 million malpractice insurance purchased through Bronx Community College. This must be purchased before September 15 of the first semester of each year.

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.