

HOSTOS COMMUNITY COLLEGE

MAJORS

RADIOLOGIC TECHNOLOGY

Radiologic Technology is the art and science of using radiation to provide images of the tissues, organs, bones, and vessels that comprise the human body. These images may be recorded on film or displayed on a video monitor. The radiologic technologist is responsible for the production of these images and is an essential member of the health care team. The Radiologic Technology Program is designed to provide students, who will work under the direction of a radiologist, with the essential skills needed to use ionizing radiation as a means of determining the nature of disease or injury.

Students participate in classroom lectures, in activities in the department's energized laboratory, and in clinical experiences at affiliate hospitals. Learning approaches include the use of audio tapes, radiographic films, slides, computers, and laboratory assignments.

Students will be required to adhere to all regulations and policies as outlined in the Radiologic Technology Student Handbook. Clinical education commences in the spring semester of the freshman year and continues through the six-semester program. The Radiologic Technology Program is accredited by The New York State Department of Health, Bureau of Environmental Radiation Protection, and The Joint Review Committee on Education in Radiologic Technology.

Program Mission Statement

The mission of the Radiologic Technology Program at Hostos Community College is to provide an educational experience that culminates in the production of a competent, professional radiologic technologist who can function effectively as a member of the health care team. The Radiologic Technology Program faculty believe that every student will be able to perform all routine radiographic procedures after completion of the program.

The Radiologic Technology Program's mission is consistent with the College's mission in that it strives to provide educational opportunities, leading to socioeconomic mobility for first and second generations Hispanics, Blacks, and other residents of New York City who have encountered significant barriers to higher education.

Program Goals and Student Outcomes:

The faculty and students of the Radiologic Technology Program consistently strive to achieve the following goals and student outcomes:

Graduate students with the knowledge and skills necessary to perform radiographic procedures competently :

- Students will be able to position patients properly.
- Students will be able to apply the principles of radiation protection to patients, self and other.
- Students will be able to formulate and compute appropriate technical factors.
- Students will be able to assess the patient's needs and provide an optimal level of patient care.

Maintain a high level of program effectiveness by graduating entry-level radiographers who will fulfill the needs of the health care community:

- Graduates will be adequately prepared to pass the ARRT examination.

- Graduates will find employment as radiographers within six months of program completion.
- Graduates will report a high level of satisfaction with program.
- Employers will report a high level of satisfaction with graduates.
- The program will achieve a satisfactory student retention rate.

Graduate students who have the ability to demonstrate critical thinking and problem solving skills to function effectively in the clinical setting.

- Students will be able to modify routine procedures to accommodate patient conditions.
- Students will be able to adapt exposure factors for various patient conditions.
- Students will be able to recognize emergency conditions and initiate appropriate treatment.

Graduate students from a learning environment that encourages high ethical standards, professional development and growth:

- Students/Graduates will demonstrate a high level of professional work ethics in the clinical setting.
- Graduates will exhibit professional development and growth through participation in professional organizations.
- Graduates will demonstrate professional development and growth by seeking advanced degrees and/or certifications.

Graduate students who will be able to communicate effectively :

- Students will communicate effectively with supervisors, technologist, and patients.
- Students will communicate effectively through writing.
- Students will communicate effectively through computers.

Criteria for Progression into the Clinical Phase of the Radiologic Technology Program

The Radiologic Technology Program can only accept a limited number of students each year into the clinical phase of the program. This number is mandated by the Program's accrediting agency: The Joint Review Committee on Education in Radiologic Technology (J.R.C.E.R.T.). Each September, sixty students progress to the clinical phase of the program.

In order to progress into the clinical phase of the program, the student must meet the following criteria:

- Minimum Cumulative Grade Point Average of 2.5 for :
 - All completed general education courses required for the degree.
 - All courses completed for Hostos
 - Successful completion of the following courses with a "C" or better grade:
 - English 110 - Expository Writing
 - MAT 105 - Mathematics for Allied Health
 - HLT 124 - Medical Terminology
 - BIO 230 - Anatomy & Physiology I

The Selection Process

The program utilizes a “rolling admissions policy” whereby students are accepted for fall clinical courses upon completing all their pre-requisite course work.

1. Students who have completed all their Pre-requisites by the end of the fall semester will be admitted into the clinical phase of the program (for September) during the spring advisement period.
2. If additional seats are available, those students who have completed the Pre-requisites during the spring semester will be considered. Transcripts will be reviewed during the summer and students will be notified in July.
3. If additional seats are still available, those students who complete the Pre-requisites during the summer will be considered.
4. If at any time during the admissions process more students qualify than seats are available, a departmental committee will review transcripts. Admission into the clinical phase of the program will be competitively evaluated based upon the student’s cumulative GPA for all general education courses required for the degree.

Program Readmission and Withdrawal Policy

Students who withdraw from any XRA course(s) or request an official leave of absence are not guaranteed readmission into the program. The Program Coordinator must approve all readmission. Readmission will not be approved after one year.

Students readmitted into the program must adhere to the same entrance requirements as new applicants.

International Students

Any international student may apply for admission to a matriculated program at CUNY regardless of immigration status. However, the Radiology Program has five mandatory clinical semesters of hospital internship. As a result of 9/11, hospitals now require that all medical staff and employees prove their legal presence in this country. Legal presence means that a person is either a U.S. citizen or is legally authorized to be in the United States. Legal presence can be proved using a U.S. birth certificate or U.S. passport, Certificate of Citizenship or Naturalization, Resident Alien Card or a valid foreign passport with a visa, I-94 or an I-94W with a participating country. The hospitals reserve the right to deny access to students who are unable to prove their legal presence in this country.

Furthermore, the hospital internship is an essential, legal requirement as specified in the Joint Review Committee on Education in Radiologic Technology Standards for an Accredited Educational Program in Radiologic Sciences. Consequently, the Radiology Program only accepts students into the clinical phase of the program if they can prove their legal presence in the United States. Students are encouraged to reapply for admission into the program after they have established their legal presence in the United States.

Student Grievance Policy

A Student has the right to seek a remedy for a dispute or disagreement through the established grievance procedures. These procedures shall not be substituted for other grievance procedures specific to the college, university or negotiated agreements. The grievance procedure provides an opportunity to resolve a program related problem such as the abuse of student’s rights or a violation of the departmental rules and reg-

ulations. A grievance may deal with academic issues or other circumstances involving unfair or inappropriate behavior relating to departmental policies. No retaliation of any kind shall be taken against a student for participation in a complaint or grievance.

Grievance Procedures:

Step 1: Informal Resolution at the Department Level

The department encourages students to make every effort to resolve their problems or concerns directly and informally with faculty members or other involved parties. Students are encouraged to speak with the person as soon as the student first becomes aware of the act or condition that is the basis of the grievance. Discussions among involved parties constitutes the first step in the informal process.

If the involved parties cannot reach a resolution, the Program Coordinator will mediate an informal discussion with all parties within 5 school days. If the Program Coordinator is involved in the grievance, the Department Chairperson or his/her designee will attempt to resolve the complaint.

Step 2: Formal Resolution at the Department Level

If an informal discussion does not result in a resolution, the student may invoke a formal grievance procedure by submitting a written statement describing the nature of the complaint. The written complaint must be submitted to the Program Coordinator within 30 school days after the problem has been identified. If the Program Coordinator is named in the complaint, the Department Chairperson or his/her designed will handle the grievance. The Program Coordinator will conduct a hearing utilizing the department’s Academic Standards and Review Committee to review the complaint. The person named in the complaint shall not be part of the committee. The student will be informed of a decision within 20 school days. A copy of the committee’s report will be filed in the department and a copy placed in the student’s personal file.

Step 3: Formal Resolution at the College Level

after utilizing the procedures listed above, the problem is not resolved, the student has the right to file a grievance at the College level. The student will be encouraged to make an immediate appointment with the Vice President of Student Affairs to discuss the complaint.

Student Appeals Policy

The student has the right to appeal a departmental rule or regulation for reconsideration if they can demonstrate there are extenuating circumstances that prevented their academic success. These must be documented, extraordinary instances beyond the control of the student. A written request for an appeal must be made to the Program Coordinator within 15 school days after the change in their academic standing. Upon receipt of the letter, the Program Coordinator will convene an appeal hearing within 15 school days. The hearing will provide the student with an opportunity to present the documentation and discuss the issue with the committee. A written decision will be sent to the student within 15 school days of the hearing. If the student feels that the issue has not been resolved to their satisfaction, they have a right to appeal the decision to the College’s Academic Standards Committee.

Moral Character

The New York State Department of Health requires that all applicants for licensure be of good moral character. Anyone who has been convicted of a felony must submit a Pre-Application Review of Eligibility to the American Registry of

Radiologic Technologists. This Pre-Application determines the impact these convictions may have on the student's eligibility to receive national certification and registration.

Transfer Students

Students transferring into the Radiology Program must make an appointment to meet with the Program Coordinator. Transfer students must meet the same criteria outlined above to progress to the clinical phase of the program.

Certification

Upon successful completion of all coursework, the graduate is eligible to take a national certifying examination sponsored by the American Registry of Radiologic Technologists. Successful completion of this exam will provide the applicant with National Certification and a New York State License.

Ancillary Expenses for Radiologic Technology Student (Approximate)

Textbooks	\$900.00
Uniforms	\$300.00
Radiologic accessories	\$100.00
Total	\$1300.00

Program of Study for the A.A.S. Degree in Radiologic Technology

A. Credit Distribution

General Education Requirements	23.0
Major Requirements	41.5
Total Credits for A.A.S. Degree	64.5

B. General Education Requirements

These courses will introduce and educate students in fundamental areas of knowledge.

English	Credits
ENG 110 Expository Writing	3.0
ENG 111 Literature and Composition	3.0

Natural Sciences

BIO 230 Anatomy and Physiology I & Lab	4.0
BIO 240 Anatomy and Physiology II & Lab	4.0

Mathematics

MAT 105 Mathematics for Allied Health	3.0
MAT 130 Computer Literacy	3.0

Health & Human Services

HLT 124 Medical Terminology	3.0
Total General Education Requirements	23.0

C. Major Requirements

These courses will provide knowledge in both fundamental and advanced areas of the radiologic sciences. They will provide an educational experience that culminates in the production of a competent, professional radiologic technologist who can function effectively as a member of the health care team.

Radiologic Technology	Credits
XRA 110 Radiography I & Lab	2.5

XRA 111 Radiologic Science I & Lab	2.5
XRA 112 Radiologic Physics	2.0
XRA 113 Topographic Anatomy I	2.0
XRA 114 Professional Practice Issues in Diagnostic Imaging	2.0
XRA 120 Radiography II & Lab	2.5
XRA 121 Radiologic Science II & Lab	2.5
XRA 122 Radiation Protection	2.0
XRA 123 Topographic Anatomy II	1.0
XRA 124 Contrast Media	1.0
XRA 129 Clinical Radiography I	2.0
XRA 139 Clinical Radiography II	3.0
XRA 210 Radiation Biology	1.0
XRA 211 Advanced Procedures I	1.0
XRA 219 Clinical Radiography III	2.5
XRA 220 Pathology	2.0
XRA 221 Advanced Procedures II	1.0
XRA 222 Applied Quality Assurance	2.0
XRA 229 Clinical Radiography IV	2.5
XRA 230 Seminar	2.0
XRA 239 Clinical Radiography V	2.5
Total Major Requirements	41.5

Academic Program Planning

The following materials should be used as a guide to design your personal academic plan. Your specific program should be designed with the assistance of an academic advisor.

Pre-Clinical Course Sequence

To progress into the clinical phase of the program, students must meet the following criteria:

- Minimum cumulative Grade Point Average of 2.5 for:
- All completed general education courses required for the degree.
- All courses completed for Hostos
- Successful completion of the following general education courses with a grade of C or better.

NOTE: As of fall 2005, D grades are not acceptable in any of the required general education courses.

Pre-Clinical Semester	Credits
BIO 230 Anatomy & Physiology I & Lab	4.0
ENG 110 Expository Writing	3.0
HLT 124 Medical Terminology	3.0
MAT 105 Mathematics for Allied Health	3.0
Total	13.0

Clinical Course Sequence

First Year Fall Semester	Credits
XRA 110 Radiography I & Lab	2.5
XRA 111 Radiologic Science I & Lab	2.5
XRA 112 Radiologic Physics	2.0
XRA 113 Topographic Anatomy I	2.0
XRA 114 Professional Practice Issues in Diagnostic Imaging	2.0
Total	11.0

First Year Spring Semester		Credits
XRA 120	.....Radiography II & Lab	.....2.5
XRA 121	.....Radiologic Science II & Lab	.....2.5
XRA 122	.....Radiation Protection	.....2.0
XRA 123	.....Topographic Anatomy II	.....1.0
XRA 124	.....Contrast Media	.....1.0
XRA 129	.....Clinical Radiography I	.....2.0
Total	.....	11.0

First Year Summer Session		Credits
XRA 139	.....Clinical Radiography II	.....3.0
Total	.....	3.0

Second Year Fall Semester		Credits
XRA 210	.....Radiation Biology	.....1.0
XRA 211	.....Advanced Procedures I	.....1.0
XRA 219	.....Clinical Radiography III	.....2.5
ENG 111	.....Literature and Composition	.....3.0
MAT 130	.....Computer Literacy	.....3.0
Total	.....	10.5

Second Year Spring Semester		Credits
XRA 220	.....Pathology	.....2.0
XRA 221	.....Advanced Procedures II	.....1.0
XRA 222	.....Applied Quality Assurance	.....2.0
XRA 229	.....Clinical Radiography IV	.....2.5
BIO 240	.....Anatomy & Physiology II & Lab.	4.0
Total	.....	11.5

Second Year Summer Session		Credits
XRA 230	.....Seminar	.....2.0
XRA 239	.....Clinical Radiography V	.....2.5
Total	.....	4.5