

# Radiologic Technology

## Associate in Science

### ***DIVISION OF HEALTH SCIENCES***

#### *Fall Semester Start*

The radiologic technologist provides diagnostic imaging services to patients in hospitals, clinics, private imaging centers, and medical offices. Comprehensive, rigorous, multi-faceted, and interrelated experiences in the classroom, laboratory, and clinical settings are designed to prepare the student to enter the field as a competent, compassionate professional. The successful program graduate will be capable of assuming many responsibilities associated with meeting each patient's needs, satisfying the requirements associated with the performance of high-quality imaging exams, and assuming accountability for the radiation safety of the patient as well as oneself. Graduates of the program are eligible to seek Massachusetts State Licensing and take the American Registry of Radiologic Technologists Examination.

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology.

### **ADMISSION REQUIREMENTS**

Admission to the Radiologic Technology program is competitive. Students seeking admission to the Radiologic Technology Program will be evaluated by GPA and total number of college-level credits completed at MassBay. Once the selected students have met the minimum requirements of GPA, admission is based on a core GPA point ranking system. Though core sciences courses can be taken concurrently, consideration will be given to students who have already completed all core science courses as well as college level algebra. Priority for admission is given to current MassBay students and to those applicants having the highest point rating (core GPA) of the core science classes. Applicants must also meet all other required course prerequisites for the program. Minimum eligibility for admissions to this program includes:

- High School diploma or equivalent, or Associate Degree or higher
- MassBay Placement into Freshman English I (EN 101) or completion of Fundamentals of Composition II (EN 98) with a grade of C or higher.
- MassBay Placement into College Algebra (MA 102)/Pre-Calculus Mathematics (MA 104) or completion of Intermediate
- Algebra (MA 98) with a grade of C or higher.
- Successful completion of Reading Assessment Test with a score of 246 or higher.

Upon acceptance into the Radiologic Technology program, students are required to attend a New Student (program-specific) Orientation. Students accepted to the program are required to verify certain immunization and health records and submit documentation thereof by published deadlines which are program-specific and determined by clinical rotation start dates. A complete list of the required immunizations can be found on Division of Health Sciences' web pages of the MassBay website by clicking the link, [Health and Background Check Requirements](#). Immunization requirements are in accordance with clinical site requirements and Massachusetts state law. If the student does not meet the initial published deadline, s/he will not attend the clinical rotation.

Proof of CPR certification is required for the program. The Healthcare Provider Card (from the American Heart Association) and the CPR/AED for the Professional Rescuer Card (from the American Red Cross) are the only types of CPR certification that meet this requirement.

The student must complete the CORI /SORI (Criminal/Sex Offender Record Information) to authorize a search of conviction and pending criminal case information under Standard Required Level 1 by DCJIS (Department of Criminal Justice Information Services). The CORI/SORI completion process is part of the New Student Orientation. If there is a finding of criminal convictions or "open cases," the student will be ineligible to participate in the Health Sciences Program. A National County Criminal Background check will be conducted as part of the student's completion of the clinical requirements. More information is available on the [Division of Health Sciences](#) pages on the MassBay website.

Applicants to the Radiologic Technology program are required to attend a recent information session. Times and dates for these sessions can be located at [Information Session Schedule](#).

More information is available on the [Radiologic Technology](#) on the MassBay website.

### **PROGRAM FOOTNOTES**

**Humanities Electives:** Art, Communications, English (EN 103 or higher), ESL (ES 100 or higher; up to six credits), Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts,

**Social Science Electives:** Anthropology, Economics, Geography, Government, History, Law, Psychology, Sociology

A grade of C or higher is required in all Radiologic Technology (RT) and science courses.

Quantitative skills are a MassBay graduation competency for associate degree programs. Prior to graduation, students must demonstrate this competency by completing a 100-level math course (not MAC); or placing into a 200-level mathematics course.

## Associate Degree Radiologic Technology Curriculum

| COURSE             | COURSE TITLE                          | CREDITS   |
|--------------------|---------------------------------------|-----------|
| <i>First Year</i>  | <i>Semester 1</i>                     |           |
| BI 215*            | Anatomy and Physiology I              | 4         |
| CT 100             | Critical Thinking                     | 3         |
| EN 101             | English Composition I                 | 3         |
| RT 101             | Radiographic Positioning I            | 3         |
| RT 111             | Radiographic Technique I              | 3         |
| RT 121             | Clinical Education I                  | 3         |
|                    | <b>credits:</b>                       | 19        |
| <i>First Year</i>  | <i>Semester 2</i>                     |           |
| BI 217             | Anatomy and Physiology II             | 4         |
| RT 102             | Radiographic Positioning II           | 3         |
| RT 112             | Radiographic Technique II             | 3         |
| RT 122             | Clinical Education II                 | 3         |
| RT 131             | Radiographic Physics                  | 4         |
|                    | <b>credits:</b>                       | 17        |
| <i>First Year</i>  | <i>Summer</i>                         |           |
| RT 123             | Clinical Education III                | 6         |
|                    | <b>credits:</b>                       | 6         |
| <i>Second Year</i> | <i>Semester 1</i>                     |           |
| CS 100             | Computers and Technology              | 3         |
| EN 102             | English Composition I                 | 3         |
| RT 203             | Radiographic Positioning III          | 3         |
| RT 213             | Radiobiology and Radiation Protection | 2         |
| RT 214             | Radiographic Technique III            | 2         |
| RT 221             | Clinical Education IV                 | 4         |
|                    | <b>credits:</b>                       | 17        |
| <i>Second Year</i> | <i>Semester 2</i>                     |           |
| RT 216             | Medical and Surgical Diseases         | 3         |
| RT 217             | Advanced Radiographic Technology      | 3         |
| RT 222             | Clinical Education V                  | 4         |
|                    | Social Science Elective               | 3         |
|                    | Humanities Elective                   | 3         |
|                    | Humanities or Social Science Elective | 3         |
|                    | <b>credits:</b>                       | 19        |
|                    | <b>Total Credits:</b>                 | <b>78</b> |

\* Prerequisite General Biology I (BI 101) with a grade of C or higher in the last five years.