

# Computed Tomography

## Advanced Certificate

### **DIVISION OF HEALTH SCIENCES**

#### *Fall Semester Start*

The Advanced Certificate in Computed Tomography program has been designed to meet the healthcare demand for high-skilled Computed Tomography (CT) Technologists. This imaging program prepares students for the ARRT post-primary registry examination in CT, as well as for entry-level CT positions\*. It is designed for certified technologists, i.e., Diagnostic Radiographers (X-Ray), Nuclear Medicine Technologists, MRI Technologists, and Interventional Radiologic Technologists seeking to expand into CT.

\*NOTE: Once the applicant has fulfilled their clinical competency requirements, they will be eligible to sit for the national CT Registry Exam.

The program is a two-semester didactic program with two track options. Track 1 does not involve clinical practice, while Track 2 includes a clinical practicum. This certificate program will include all of the content category requirements within the ARRT Computed Tomography Examination for Patient Care, Safety, Image Production, and Procedures.

Upon successful completion, the Certificate in Computed Tomography is awarded.

### **ADMISSION REQUIREMENTS**

Minimum eligibility for admissions to the Advanced Certificate in Computed Tomography Program includes:

- Submission of a copy of your current unrestricted ARRT or NMTCB (Nuclear Medicine) certification card for **TRACK 1&2**.
- Current employment within the Diagnostic Radiography (X-Ray), Nuclear Medicine, or MRI Technology career field for **TRACK 2** Applicants.
- Submit a Letter of Recommendation from a current supervisor within the field of your discipline. This letter should attest to your current employment for **TRACK 2** Applicants.
- Current Basic Life Support (BLS) CPR Certification from the American Heart Association or the American Red Cross is required for **TRACK 2** applicants.

Admission is selective. Applicants to the Advanced Certificate in [Computed Tomography](#) program are required to attend a recent information session. Times and dates for these sessions can be located at [Information Sessions](#).

Applications will be reviewed by June\*\* for a September start. Upon acceptance into the Advanced Certificate in Computed Tomography program, students are expected to attend a

Mandatory New Student Orientation.

### **PROGRAM FOOTNOTES**

- A grade of C+ (77%) or higher is required in all Computed Tomography courses in progress.
- If TRACK 2 is selected, all health and immunization records must be complete and current to register for clinical courses.  
Both clinical courses must be successfully completed to pass TRACK 2.
- A complete list of the required immunizations can be found on the Division of Health Sciences' web pages of the MassBay website by clicking the link, [Health and Background Check Requirements](#).

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.

***See next page for curriculum sheet***

**Associate Degree  
Computed Tomography Curriculum**

**TRACK 1**

<b>COURSE</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
	<i>Semester 1</i>	
TO 201	Computed Tomography (I) Introduction	2
TO 214	Computed Tomography Cross-Sectional Anatomy	2
	<b>credits:</b>	<b>4</b>
	<i>Semester 2</i>	
TO 202	Computed Tomography (II) Advanced	2
TO 215	Computed Tomography Pathology & Procedures	2
	<b>credits:</b>	<b>4</b>
	<b>Total Credits:</b>	<b>8</b>

**TRACK 2**

<b>COURSE</b>	<b>COURSE TITLE</b>	<b>CREDITS</b>
	<i>Semester 1</i>	
TO 201	Computed Tomography (I) Introduction	2
TO 214	Computed Tomography Cross-Sectional Anatomy	2
TO 220	Clinical Education I	3
	<b>credits:</b>	<b>7</b>
	<i>Semester 2</i>	
TO 202	Computed Tomography (II) Advanced	2
TO 215	Computed Tomography Pathology & Procedures	2
TO 225	Clinical Education II	3
	<b>credits:</b>	<b>7</b>
	<b>Total Credits:</b>	<b>14</b>