COMPUTED TOMOGRAPHY IMAGING - CERTIFICATE

CTIC

Computed Tomography is a dynamic technology used in the diagnosis of disease, in monitoring patient progress, in controlled screenings to help prevent disease or in research. This two-semester program, which combines classroom instruction, online learning and supervised clinical practice, focuses on understanding the basic principles of computed tomography imaging and the care of patients requiring diagnosis or treatment. The goal of this program is to prepare students who can competently and safely perform computed tomography procedures, display the personal qualities of integrity, responsibility, and reliability and who function as active members of the healthcare team.

Graduates receive a certificate in Computed Tomography imaging and are prepared to sit for the national credentialing examination offered by the American Registry of Radiologic Technologists. They are eligible for employment in hospitals, clinics, and private imaging facilities.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details (https://catalog.ccri.edu/course-descriptions/).

General Policies

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum Requirements to Apply to the Computed Tomography Imaging Certificate Program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; CTIC should be the second choice.
2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **ARRT Certificate** – Current certification as a radiologic technologist through the American Registry of Radiologic Technologists. (NMTCB, Nuclear Medicine Technology Certification Board certifications is an acceptable substitute.)
4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   - **Important:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See Dean of Health and Rehabilitative Sciences webpage (https://www.ccri.edu/dean-hrs/).) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend an orientation conducted by the Allied and Rehabilitative Health Department.
5. **Background check** – Students are required to submit a background check when directed by notification from One Stop Student Services.

Program Requirements

- The major requirements of this program must be taken in sequence. They are open only to students who are formally accepted into the program.
- No grade less than a C is acceptable in any of the technical courses (CTIC).
- Maintain a cumulative GPA of 2.0 or greater.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student's academic, clinical or professional performance.

Program Learning Outcomes

Upon completion of this program, a student will be able to:

1. Be skilled in current practice as entry level CT Technologists.
2. Communicate orally and in writing with patients, families and other healthcare professionals.
3. Evaluate CT images for quality.
4. Protect themselves, patients and staff from excess radiation exposure.
5. Adapt imaging procedures and equipment to non-routine situations and patient populations.
6. Act as ethical and responsible members of the healthcare team.

Certificate Requirements

Code	Title	Hours
CTIC 1010	Fundamentals of CT	1
CTIC 1020	Procedures and Protocols in CT Imaging	2
CTIC 1030	Cross-sectional Anatomy I	6
CTIC 2010	Patient Care for CT	1
CTIC 2020	Advanced Applications and Pathology for CT	3
CTIC 2030	Cross-sectional Anatomy II	6
Subtotal		19
Total Hours		**19**

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
CTIC 1010	Fundamentals of CT	1
CTIC 1020	Procedures and Protocols in CT Imaging	2
CTIC 1030	Cross-sectional Anatomy I	6
	Hours	**9**
Semester 2		
CTIC 2010	Patient Care for CT	1
CTIC 2020	Advanced Applications and Pathology for CT	3

CTIC 2030	Cross-sectional Anatomy II	6
	Hours	**10**
	Total Hours	**19**