

RADIOGRAPHY: COMPUTED TOMOGRAPHY CERTIFICATE

Program code: CATC-CC

Location: Middlesex

Program Description

The Computed Tomography (CT) program at the Middlesex Campus of CT State Community College is designed to prepare certified/registered imaging professionals registered with the American Registry of Radiologic Technologists (ARRT) in Radiography, Nuclear Medicine Technology (registration with Nuclear Medicine Technology Certification Board (NMTCB) is also accepted), or Radiation Therapy for immediate employment in the workplace as CT Technologists in hospitals, clinics, and medical offices. The program emphasizes that quality patient care will be provided by individuals who have received instruction based on educational and instructional guidelines consistent with the profession.

This is a selective admissions program. Detailed information regarding selective admission events and deadlines is available on the CT State Selective Admissions Webpage (<https://ctstate.edu/admissions-registration/how-to-apply/selective-admissions>).

Learning Outcomes

The Middlesex Campus of CT State CT Program is dedicated to educating and training students to become certified/registered, professional, and competent technologists in the field of CT within Radiologic Sciences. The mission statement is realized through the attainment of the following goals:

1. Students will correctly apply positioning skills for patient CT procedures based on patient assessment.
2. Students will select appropriate technical factors for patient CT procedures based on patient assessment.
3. Students will practice radiation safety.
4. Students will demonstrate professional behaviors.
5. Students will use effective oral communication skills.
6. Students will practice effective written communication skills.

This is a selective admission program; thus, students must be accepted into the program in order to register for program courses. Selective admissions criteria are completed program application which includes high school transcript, complete immunization records, ARRT/NMTCB certification, copy of a current State of Connecticut Radiographer license (as applicable), and interview. According to the ARRT supporting category requirements, the supporting categories prerequisites (primary certifications) for computed tomography are radiography, nuclear medicine technology (NMTCB) and radiation therapy. Thus, the post primary certification will be computed tomography.

The Middlesex Campus of CT State CT Certificate program is a two-semester program for certified/registered Radiographers interested in a career as a CT Technologist. The program accepts and starts a new class during the fall semester each year.

Following the successful completion of all Program requirements and obligations to the college, students are awarded the Certificate in CT and are eligible to take the ARRT post-primary exam in CT. A minimum score

of 75 on the national post- primary certification examination is required for CT certification.

The program adheres to CT State Student and Faculty Non-Discrimination policies in that there is no discrimination of student or faculty on the basis of race, color, national or ethnic origin, religion, age, sex, marital or veteran status, sexual orientation, physical disability, or any other legally protected status.

Our graduates are allied health professionals who administer ionizing radiation for diagnostic, therapeutic or research purposes. They perform CT procedures and related techniques producing data at the request of and interpretation by a licensed independent practitioner. Employment opportunities include education, sub-specialization, sales and applications, and administration.

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- High school transcript
- Complete immunization records
- ARRT/NMTCB certification
- Copy of a current State of Connecticut Radiographer license (as applicable)
- Interview.

According to the ARRT supporting category requirements, the supporting categories prerequisites (primary certifications) for computed tomography are radiography, nuclear medicine technology (NMTCB) and radiation therapy. Thus, the post primary certification will be computed tomography.

Certificate Requirements

Code	Title	Credits
Required Courses		
CAT 2001	Cross Sectional Anatomy I	1
CAT 2002	CT Image Display, Post Processing and Quality Assurance I	2
CAT 2003	CT Procedures and Instrumentation	2
CAT 2094	Clinical Experience I	4
CAT 2005	Cross Sectional Anatomy II	2
CAT 2006	CT Image Display, Post Processing and Quality Assurance II	3
CAT 2007	CT Procedures and Instrumentation II	3
CAT 2194	Clinical Experience II	4
Total Credits		21