

CHATTANOOGA STATE COMMUNITY COLLEGE
Nursing/Allied Health Division
4501 Amnicola Highway
Chattanooga, TN 37406
Phone: (423) 697-4450
Fax: (423) 493-8771

COMPUTED TOMOGRAPHY TECHNICAL CERTIFICATE

APPLICATION INFORMATION

Thank you for your interest in the **Computed Tomography Technical Certificate Program** offered by Chattanooga State Community College. The one semester course (plus clinical rotation) is offered once a year in the fall semester with a limited number of openings. Applicants should submit all required information immediately. Application deadline for the Computed Tomography Program is June 15. Qualified applications received after the class is full will be accepted for the following class and placed on a reserve list to fill the space of any withdrawals.

In this packet you will find:

- Computed Tomography Application Information
- Computed Tomography Application Form
- Admission Process
- Textbooks/Hotel Information
- Estimated Cost and Fees

Remember: Chattanooga State Community College Application must also be filled out. Send application and fee if this is the first credit course taken at Chattanooga State. To receive a college application visit: <http://www.chattanoogaastate.edu/admissions>

ADMISSION PROCEDURES:

In addition to completing the application process for admission to Chattanooga State, students seeking admission to the **Computed Tomography Technical Certificate Program** must also submit the Computed Tomography Application Form. Applicants must be graduates of a CAHEA/JRCERT accredited Radiologic Technology Program or an accredited Nuclear Medicine Program and eligible for certification or certified and registered by the ARRT or CNMT.

**CHATTANOOGA STATE COMMUNITY COLLEGE
COMPUTED TOMOGRAPHY**

WHAT:

- 3 course set with the working technologist in mind resulting in a **technical certificate for successful completion of all 3 courses**
- 16 semester credit hours – 256 CEU's for purpose of ARRT continuing education
- prepares for independent performance of whole-body CT

WHO:

- * Registered Computed Tomography Technologist ARRT (R) (CT)
 - advanced standing if presently perform independent whole-body CT
 - expand knowledge base – stay current
 - satisfy CEU requirements for ARRT for 2 year period
 - satisfy whole-body CT education requirements

- * Registered Technologists ARRT (R) or ARRT (N) or CNMT
 - expand into new modality
 - prepare for advanced certification in CT
 - satisfy ARRT CEU requirement for 2 year period
 - advanced standing if have performed whole-body CT an equivalent of one year, full time within the past 3 years

- * Registry (ARRT) eligible new graduates
 - prepare for job in computed tomography
 - prepare for advanced certification in CT
 - satisfy computed tomography education experience requirements

WHEN:

- * Every other weekend (7 1/2 weeks) one semester plus completion of clinical component
- * Friday evenings 5:30 pm to 8:30 pm ET
- * Saturday 8:00 am to 5:00 pm ET

WHERE:

- * Chattanooga State Community College
Health Science Center, Room 2060
4501 Amnicola Highway
Chattanooga, Tennessee 37406
Division: (423) 697-4450 Fax: (423) 493-8771

For Application/Information write to the above address

Attention: Computed Tomography Program
Nursing/Allied Health Division

-----or call (423) 697-4450-----

Attach proof of your completion of a CAHEA/JRCERT accredited Radiologic Technology Program or Nuclear Medicine Program and certification or eligibility for certification by American Registry of Radiologic Technology or credentialed in ARRT (N) or CNMT.

COMPUTED TOMOGRAPHY

The Computed Tomography (CT) Program is a one semester three-course set designed to meet the professional needs of radiologic technologists for formal specialized education in Computed Tomography. The curriculum includes the following topics:

- patient care and management
- whole body cross-sectional anatomy
- pathology
- imaging procedures with protocols
- special procedures in computed tomography
- history of computed tomography
- fundamentals of computers
- scanning methods
- digital imaging
- quality control
- radiation protection

The required clinical education component is conducted at an approved clinical education center over a fifteen week period providing at least 225 contact hours on site. Supervised performance of computed tomography of the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system is required. Arrangements for clinical education are made by the students to obtain clinical experience with a Chattanooga State approved CT facility in their geographic area. Students must purchase liability insurance or show evidence of self coverage of \$1,000,000 or more.

The CT courses are taught in the fall semester on alternate weekends (Friday night and Saturday), based on demand and offers 16 semester credit hours (256 CEU's for purpose of American Registry of Radiologic Technologists (ARRT) continuing education). Radiologic Technologists certified and registered by ARRT may receive advanced standing for the clinical education component if they have independently performed whole-body computed tomography an equivalent of one year full time within the past 3 years. In addition, competence in the performance of computed tomography of the head, neck, spine, chest, abdomen, pelvis, and musculoskeletal system must be demonstrated.

Deadline

Applicants for fall semester must be submitted by June 15 for priority consideration.

SUMMARY OF REQUIRED HOURS

<u>Course No.</u>	<u>Course Title</u>	<u>Semester Hours</u>
TM 210	Computed Tomography Patient Management	4
TM 220	Computed Tomography Physics	4
TM 230	Computed Tomography Clinic	8

Total Hours: 16

COURSE DESCRIPTIONS

TM 210 Computed Tomography Patient Management (4) (F)

This is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. Topics included in this course are patient care and management, whole body cross-sectional anatomy, pathology, imaging procedures with protocols, and special procedures in CT.

Prerequisite: Graduate of CAHEA/JRCERT accredited Radiologic Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of Radiologic Technologists or CNMT.

Corequisites: TM 220, TM 230

TM 220 Computed Tomography Physics (4) (F)

This is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. Topics included in this course are history of computed tomography, fundamentals of computers, scanning methods, digital imaging, quality control, and radiation protection.

Prerequisite: Graduate of CAHEA/JRCERT accredited Radiologic Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of Radiologic Technologists or CNMT.

Corequisites: TM 210, TM 230

TM 230 Computed Tomography Clinic (8) (F)

This course is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. The clinical component is conducted at an approved clinical education center and requires supervised performance of computed tomography of the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system. Arrangements for clinical education are made by the students to obtain clinical experience with a Chattanooga State approved CT facility in their geographic area.

Prerequisite: Graduate of CAHEA/JRCERT, accredited Radiology Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of Radiologic Technologists or CNMT.

Corequisites: TM 210, TM 220

COMPUTED TOMOGRAPHY COSTS

TEXTBOOKS:

<u>Sectional Anatomy for Imaging Professionals</u> , Kelley, L. and Petersen, C., Mosby latest edition	\$79.95
<u>Sectional Anatomy Study Guide</u> , Kelley, L. and Petersen, C., Mosby Latest edition	\$36.95
<u>CT Teaching Manual</u> , Hofer, Matthias, Thieme, latest edition	\$59.95
<u>Computed Tomography Physical Principles, Clinical Applications and Quality Control</u> , Seeram, E., W. B. Saunders, latest edition	\$76.95
CT Clinical Packet	<u>\$40.00</u>
Total Estimated Cost	\$293.80

TUITION: 2011 rates	<u>IN-STATE</u>	<u>OUT-OF-STATE</u>
Computed Tomography Set-16 credit hours	\$ 1,809.50	\$ 6,941.50

MISCELLANEOUS FEES:

Liability Insurance	\$11.00
College Admission Application (1 st time applicant fee to be sent to admissions with college application)	\$15.00
Cost for textbooks (approximately)	\$293.80
General Access Fee/Technology Fee (included in fee cost)	

NOTE: Tuition, fees and textbook costs are subject to change.

HOTEL ACCOMMODATIONS (near ChSCC main campus - Hwy 153 at Amnicola Hwy)

Holiday Inn Express Hotel & Suites, 4820 Hixson Pike, Hixson, TN (423) 877-6464
Hixson Comfort Inn, 4833 Hixson Pike, Hixson, TN (423) 877-8388
Hampton Inn, 1020 Hamil Rd, Hixson, TN (423) 877-3100
Country Inn & Suites - Hixson, 5105 Hwy 153, Hixson, TN (423) 308-2333
Homeaway Extended Stay Studios LLC, 1949 Northpoint Blvd, Hixson, TN (423) 643-4663

Other hotel locations and prices: If you wish to find a hotel closer to downtown or convenient freeway access, please look online at www.mapquest.com, www.yellowpages.com or www.travelocity.com for a map search of hotels in the area.

