**Program Map**

# Diagnostic Medical Imaging - Radiology: Computed Tomography

*Certificate: Advanced Technology Certificate (ATC)*

**HS**

## HEALTH SCIENCES

**Program Description:** This certificate program provides online and clinical instruction in Computed Tomography. Completion of the prescribed curriculum will help prepare the student for the Advanced Certification Examination in Computed Tomography administered by the American Registry of Radiologic Technologists (ARRT). For additional certification and continuing education requirements visit the ARRT website at: https://www.arrt.org/about-the-profession/arrt-certification-and-registration.

Students working toward admission into a Health Sciences Program are required to declare General Studies in Pre-Health Sciences degree as their major until they are officially accepted into a program.

Admission to the College does not guarantee admission to a specific health science program of study as these programs have additional requirements that must be met. The following items are required by health sciences programs, but deadlines may vary by program. Please see division and program websites for specific details.

**Contact:**
Health Sciences
www.austincc.edu/health
**Eastview Campus:**
Phone: 512.223.5700
or toll-free 888.626.1697
**Round Rock Campus**:
Phone: 512.223.0220
Email: healthsciences@austincc.edu

**Department Website:**
www.austincc.edu/health/radr/ct

- Completed and submitted immunizations prior to submitting an application
- Proof of health insurance
- Criminal background check
- Drug screen
- Current CPR (Cardiopulmonary Resuscitation) American Heart Association (AHA) Basic Life Support (BLS) for Healthcare providers
- Completed health data form
- Verification of annual tuberculosis status
- Completed program information session

*Use this **Program Map** to choose courses with your college advisor and track your progress towards milestones and completion of program.*

| Pre-Degree Requirements | | |
|---|---|---|
| **Program Specific** | **Reading and Writing Placement**<br>*Placements based on TSI* | **Mathematics Placement**<br>*Placements based on TSI* |
| **This one-semester certificate program will *ONLY* be offered in the Fall and Spring Semesters.**<br><br>Radiology-Associate of Applied Science degree must be completed prior completing Advanced Technical Certificate.<br><br>**Technical Standards:**<br>Health Sciences programs establish technical standards and essential functions to insure that students have the abilities required to participate and potentially be successful in all aspects of the respective programs. Students are required to meet published technical standards and essential functions for the program. See specific program website for details: www.austincc.edu/health/radr.<br><br>**Additional Requirements:**<br>Each program has specific admission requirements. See program website for detailed information: www.austincc.edu/health/radr. | □ Basic Developmental Courses<br>□ ESOL Courses<br>□ INRW Courses | □ MATD-0332 - Basic Math Skills<br>□ MATD-042x/032x – ALEKS Sequence<br>□ MATD-0385/0485 – Developing Mathematical Thinking *Not prerequisite for MATH-1314/1324*<br>□ MATD-0370 – Elementary Algebra<br>□ MATD-0390 – Intermediate Algebra<br>*Take MATD-0370 and 0390 to prepare for MATH-1314/1324* |

**SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS**

*Plans can be modified to fit the needs of part-time students by adding more semesters*

| ATC | Prerequisites | CR | Advising Notes |
|---|---|---|---|
| ● | RADR 2240 - Sectional Anatomy for Medical Imaging | 2 | Equivalent courses from other schools will substitute for prerequisites. |
| ● | RADR 2205 - Principles of Radiographic Imaging II | 2 | Equivalent courses from other schools will substitute for prerequisites. |
| ● | RADR 2209 - Radiographic Imaging Equipment | 2 | Equivalent courses from other schools will substitute for prerequisites. |
| | | 6 | **Program Semester Hours / Meet with your advisor** |
| | **Semester 1** | | |
| ● | CTMT 2332 - Principles of Computed Tomography | 3 | |
| ● | CTMT 2336 - Computed Tomography Equipment and Methodology | 3 | |
| ● | CTMT 2460 - Clinical-Radiologic Technology/ Science - Radiographer | 4 | **ACHIEVEMENT:** Advanced Technical Certificate |
| | | 10 | **Program Semester Hours** |
| | | | |
| | **Total Program Hours:** | 16 | |

Please always check online at **austincc.edu/catalog** or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

## Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.
**www.austincc.edu/career**
**www.austincc.edu/transfer**

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

**Program Map**

# Diagnostic Medical Imaging - Radiology: Computed Tomography

*Certificate: Advanced Technology Certificate (ATC)*

## Career Information

Medical Imaging refers to the techniques and processes used to produce images of the human anatomy using modalities such as radiography, computerized tomography, nuclear medicine imaging, and a relatively new modality, Magnetic Resonance Imaging. Medical Imaging is used to reveal, diagnose or examine pathology, including the study of normal anatomy and physiology.

Computed Tomography Technologists use a rotating x-ray unit to obtain "slices" of anatomy at different levels within the body. A computer then stacks and assembles the individual slices, creating a diagnostic image. With CT technology, physicians can view the inside of organs - a feat not possible with general radiography. They work in hospitals, clinics, labs, and outpatient centers.

**Common Job Titles**

Radiologic Technologists (includes Computed Tomography Technologist (CT Technologist), Mammographer, Mammography Technologist, Radiographer, Radiologic Technologist (RT), Radiological Technologist, Radiology Technologist, Staff Technologist, X-Ray Technologist

**Regional Labor Market Information**

Radiologic Technologists: New workers generally start around $26,176. Normal pay for Radiologic Technicians is $35,289 per year, while highly experienced workers can earn as much as $59,197. Over the last year, 34 companies have posted 247 jobs for Radiologic Technicians in this region. There are currently 472 Radiologic Technicians that are employed in Austin-Round Rock, TX. Source: https://austincc.emsicc.com/careers/radiologic-technician

**Career and labor market research tools** (see Quick Reference Guide at http://www.austincc.edu/career):

EMSI: https://austincc.emsicc.com/, Bureau of Labor Statistics: http://www.bls.gov/ooh/, O*NET: https://www.onetonline.org/

**Career Resources:** ACC's career services website provides information on career exploration and employment at http://www.austincc.edu/career. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

## Transfer Information

The Institutional Award in Computed Tomography prepares students for the Advanced Certification Examination in Computed Tomography administered by the American Registry of Radiologic Technologists (ARRT) and prepares students to directly enter the workforce.

**Additional Transfer Resources:** ACC's transfer website provides information on additional colleges & universities: http://www.austincc.edu/transferguides. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.