MEDICAL IMAGING, COMPUTED TOMOGRAPHY, ADVANCED TECHNICAL CERTIFICATE

Program Information
Upon completion of the computed tomography program an advanced technical certificate will be awarded. Computed tomography technologists are imaging professionals qualified to operate specialized radiographic equipment and utilize computer processing to create cross sectional images of the human body. These images are utilized for the assessment of anatomy and diagnosis of various medical conditions. The San Jacinto College's Computed Tomography Program will provide the imaging professional with the required structured education and clinical experience to be eligible to take the American Registry of Radiologic Technologists (ARRT) advanced certification in Computed Tomography (CT). Individuals credentialed by an approved certification organization in the field of Radiology, Nuclear Medicine or Radiation Therapy are eligible to apply to the program.

The Computed Tomography Program at San Jacinto College:

• Prepares the ARRT registered students to work in an advanced modality position in hospitals and other health care facilities through a variety of clinical rotations;
• Educates students to produce diagnostic images used for assessment and diagnosis of various medical conditions;
• Encourages students through a variety of methods to be clinically competent, possess critical thinking skills, communicate effectively, both written and orally, and exhibit ethical and professional behavior; and
• Prepares the student to take the ARRT computed tomography certification examination and enter the workforce with the skills to work independently as Computed Tomography technologist.

Career Opportunities
Employment outlook is excellent and many of our students gain employment in the field prior to completion of this certificate program.

Graduates of this program are employed in hospitals, clinics, and imaging centers.

Earning Potential
Radiologic Technologist median salary: $61,892 per year

1 Source: texaswages.com (http://texaswages.com), Gulf Coast region, 2017

For more information contact 281-476-1871 or CT Clinical Coordinator Albert Garcia at albert.garcia@sjcd.edu

Campus
Central Campus

Links
Application Deadlines are as followed:
Oct. 1st for Spring
April 1st for Summer
July 1st for Fall

Application procedure:
• Apply for admission to San Jacinto College through credit or continuing professional development (CPD);
• Submit an Advanced Modality application to the Medical Imaging Department or CT program coordinator along with transcripts and other required documents; and
• Attend a required advanced modality information session and/or meet with the CT program coordinator to discuss other program requirements.

Must be a registered technologist with the ARRT and licensed by the Texas Medical Board by the first class/clinical date to participate in the program. Please review the links below for program information for all Advance Modality programs and Advance Modality programs application.

Advance Modality Program information (https://www.sanjac.edu/sites/default/files/media-file/Advanced%20Modality%20Program%20Information%202011218.pdf)

Application (https://publications.sanjac.edu/areas-study/health-sciences/medical-imaging-magnetic-resonance-advanced-technical-certificate/APPLICATION_FORM.pdf)

Information
Medical imaging technology consists of three Associate of Applied Science (AAS) degrees and four certificate programs.

The degree programs include:
• medical radiography,
• diagnostic medical sonography, and
• invasive cardiovascular technology.

The advanced or enhanced certificate programs are:
• computed tomography,
• invasive cardiovascular technology,
• magnetic resonance imaging, and
• mammography.

Students selected for any of the medical imaging programs are required to submit a physical exam prior to admission. This physical exam must be consistent with the requirements of the teaching hospitals and agencies the student is assigned during clinical assignments and the performance standards required to function as a student imaging technologist. The exam will also include documentation of any communicable diseases along with immunity to Rubella, Measles, Mumps, and Varicella. Additionally, completion of the Hepatitis B series along, updated Tetanus, an annual TB screening, and annual flu vaccine is required.

In addition to meeting all other requirements, a criminal background check and drug screening are required for all health science students attending imaging courses, and are required prior to admission to the program. Students entering a medical imaging program will also be required to show proof of health insurance and current CPR (American Heart Associate—Health Care Provider) certification. Please contact the medical imaging department for details about the criminal background check and drug screening requirements.

**Advanced Technical Certificate**

Computed tomography (CT) utilizes specialized radiographic equipment to produce detailed imaging scans of the body. The purpose of the CT program is to educate and train the registered radiologic technologists in all areas of CT with the intent to graduate competent candidates for the ARRT post-primary certification. The CT program includes an advanced type of health professions work-based instruction that assists students to synthesize new knowledge, apply previous knowledge, and gain experience performing examinations. While enrolled in the CT program, practical experience is simultaneously related to theory.

**Minimum Program Admission Criteria**

Applicants must have graduated from a JRCET-accredited radiography, nuclear medicine, or radiation therapy program and hold a certification from the American Registry of Radiologic Technologists (ARRT).

Applicants must also hold a Texas Medical Board Medical Radiologic Technologist License. The student must complete and submit an application to the Medical Imaging department. Upon acceptance to the program, the student must also submit required health records, proof of health insurance, CPR certification (American Heart Associate—Health Care Provider), criminal background check, and drug screening as stated for all Medical Imaging students. Acceptance into the Computed Tomography program is determined after review of the application and completion of requirements. Application to the program does not guarantee acceptance due to limited clinical availability. The Computed Tomography program is structured for students to complete the certificate in either one or two semesters. Prospective participants should call the Medical Imaging department at 281-476-1871 for additional information.

**Plan of Study**

**Central Campus**

**AMRAD-CT**

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<tr>
<th>First Term</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CTMT 2332</td>
<td>Principles of Computed Tomography</td>
<td>3</td>
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<tr>
<td>CTMT 2336</td>
<td>Computed Tomography Equipment and Methodology</td>
<td>3</td>
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<tr>
<td>CTMT 2360</td>
<td>Clinical 1 - Computed Tomography Technology/Technician</td>
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<td>CTMT 2461</td>
<td>Clinical 2 - Computed Tomography Technology/Technician</td>
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<tr>
<td>RADR 2340</td>
<td>Sectional Anatomy for Medical Imaging</td>
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**Credits**

16

**Total Credits**

16

**Capstone Experience:** CTMT 2461 Clinical 2 - Computed Tomography Technology/Technician