MEDICAL IMAGING, MAMMOGRAPHY, ENHANCED SKILLS CERTIFICATE

Program Information
Are you fascinated by technology and the inner workings of the human body? If so, a career in computed tomography, mammography or magnetic resonance imaging may be the right path for you. These imaging professionals are qualified to provide patient imaging using technology and equipment for CT, mammography and MRI under the supervision of a medical doctor to examine various anatomic structures in the body.

The advanced imaging modalities program at San Jacinto College:
• Prepares the A.R.R.T. registered students to work in advanced modality positions in hospitals and other health care facilities through a variety of clinical rotations.
• Educates students to produce 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.

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 melissa.ledesmazermeno@sjcd.edu (cassandra.gossett@sjcd.edu).

Campus
Central Campus Only

Links
Application Deadlines Oct. 1st for Spring and July 1st for Fall.

Application procedures
• Apply for admission to San Jacinto College
• Submit an application for the Advance Modality programs to the program coordinator.
• Submit copies of transcripts from the Radiography program completed.

Must be a registered technologist with the ARRT and licensed by the Texas Medical Boards by the first class date to participate in the program. Please review the link for program information for all Advance Modality programs. For Advance Modality applications, please contact the program coordinator listed on the program information sheet below.

Advance Modality Programs Information (https://www.sanjac.edu/sites/default/files/media-file/Advanced%20Modality%20Program%20Information%20011218.pdf)

Application (https://publications.sanjac.edu/areas-study/health-sciences/medical-imaging-mammography-enhanced-skills-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.

Enhanced Skills Certificate
The Mammography program is designed to prepare the registered radiologic technologist to enter the advanced field of Mammography.
The objective of the program is to provide the registered radiologic technologist with the 40 hours of training required by the Mammography Quality Standards Act, the knowledge, skills, and clinical requirements needed to obtain approval to sit and successfully pass the Mammography post primary examination offered by ARRT; in addition, preparation for entry-level employment in Mammography.

A Mammographer uses specialized x-ray equipment to obtain diagnostic breast images and breast tissue biopsies. This specialized technologist is pivotal in the diagnosis of breast tissue abnormalities in both men and women. Students will learn to position patients and manipulate equipment to provide quality images. Furthermore, students will develop an understanding of anatomy, pathology, equipment & technical factors, Quality control/Quality assurance, implant imaging, communication skills, specialty equipment and complete 8 hours of Digital Mammography training.

The Mammography courses are offered each Spring and Fall semesters. The entire program length is 16 weeks. Lecture and laboratory are offered the first eight weeks in a hybrid format with Tuesday evening classes. Clinical rotations are offered the second eight weeks as day time rotations, averaging 22 hours a week.

**Minimum Program Admission Criteria**

Applicants must be American Registry of Radiologic Technologists (ARRT) registered in radiography and hold a Texas Medical Board Medical Radiologic Technologist License. The applicant must complete and submit an application to the program coordinator or medical imaging department. Provisional acceptance into the Mammography program is determined after review of the application and completion of requirements. After provisional acceptance the applicant must also submit required health records, proof of health insurance, CPR certification (American Heart Association - Health Care Provider), criminal background check and drug screen as stated for all medical imaging students – see paragraph below. Full acceptance into the Mammography program is determined after successful completion of physical, background, drug screen and submission of all required records (immunization, health insurance, CPR, certifications, and license). Prospective participants should call the medical imaging department at 281-476-1871 for additional information.

Students selected for any of the medical imaging programs are required to submit a physical exam upon provisional acceptance to the program and will be directed with instructions on where to complete and submit all the items listed below.

The 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. Completion of the Hepatitis B series along with updated Tetanus, an annual TB screening and flu vaccine is required. In addition to meeting all other requirements, students entering a medical imaging program will be required to submit a criminal background check and drug screening completed by designated companies, show proof of health insurance, and CPR (American Heart Associate - Health Care Provider) certification. 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 imaging programs.

**Plan of Study**

**Central Campus**

**EMRAD-MAMM**

Please see Medical Radiography, Associate of Applied Science (https://publications.sanjac.edu/areas-study/health-sciences/medical-radiography-aas) page for more information.

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**Capstone Experience**: MAMT 2363 Clinical - Mammography Technology

San Jacinto College 2019-2020