

Advanced Modality Programs

Computed Tomography, Magnetic Resonance Imaging, Mammography

***All prospective candidates must complete college admission requirements. Admission to the College does not guarantee admission to the program. All candidates must hold a current MRT-Texas Medical board license and be registered through the American Registry of Radiologic Technologist.**

Apply to SJC: <https://www.sanjac.edu/admissions-aid/steps-enroll>
https://www.applytexas.org/adappc/gen/c_start.WBX

Please contact the prospective coordinator for program information via Email. please contact the Medical Imaging Department at 281-476-1871 for additional information

Mammo Program Coordinator: Melissa.LedesmaZermeno@sjcd.edu
CT Program Coordinator: Albert.Garcia@sjcd.edu
MRI Program Coordinator: Melissa.LedesmaZermeno@sjcd.edu

Advanced Modality Programs Application Requirements:

- Completed advanced modality application form
- Current copy of MRT license with the Texas Medical Board
- Copy of American Registry of Radiologic Technologist license—Registered in good standing
- Official, sealed college transcript; to include all radiologic science courses

All admission requirements must be submitted via e-mail or directly to the advanced modality program coordinator.

Application Deadline Dates

Spring semester – October 1

Summer semester – April 1

Fall semester – July 1

All provisional clinic candidates will be required to submit the following to CastleBranch:

- Drug screen
- Background check
- Physical examination
- Health records to include immunization record (rubella, measles, mumps, varicella, flu, Hep B, and meningitis), TB screening, CPR (American Heart Association – Health Care Provider)
- Proof of health insurance

*Acceptance is provisional based on the satisfactory results of these requirements.

Computed Tomography Program Details

The CT program includes advanced type of health professions work-based instruction that helps students synthesize new knowledge, apply previous knowledge, and gain experience managing the workflow. The CT Program practical provides clinical experience simultaneously with classroom instruction.

All prospective candidates to the Computed Tomography Program must submit an application, transcripts and current ARRT certification to the program coordinator, Albert Garcia, at 281-476-1501 x 1418; email address: Albert.Garcia@sjcd.edu

Curriculum

CTMT 2336 – Equipment and Methodology	3
CTMT 2332 – Principles of CT	3
RADR 2340 – Sectional Anatomy	3
CTMT 2360 – Clinic I	3
CTMT 2461 – Clinic II	4
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Total 16 Credit Hours	

Approximate Program Costs: (all costs are subject to change)

- In-district \$78 x 16 Credit hours = \$1,248.00
- Out of district \$135 x 16 credit hours = \$2,160
- Out of State \$210 x 16 Credit hours = \$ 3360
- Book fee and supplies (paper, ink, uniforms): \$250
- Trajecsys - approximately \$50-\$100 per clinic semester

Magnetic Resonance Imaging Program Details

The MRI program focuses on the underlying scientific theories of magnetism, interactions between atoms and magnetic fields, and learning to operate magnetic resonance imaging equipment. The program emphasizes on the most innovative MRI clinical practices currently being used within the healthcare industry. This program prepares students for the national MRI certification examination.



<u>First Term</u>	<u>Credit</u>
MRIT 2330 Principles of Magnetic Resonance Imaging— <i>Online Partial (hybrid)</i>	3
MRIT 2360 Clinical I(18-24 hours/week)	3
RADR 2340 Sectional Anatomy for Medical Imaging— <i>Online</i>	3
Second Term	
MRIT 2334 Magnetic Resonance Equipment and Methodology— <i>Online</i>	3
MRIT 2461 Clinical II (20-26 hours/week)	4

Total 16 Credit Hours

Structured education requirements to sit for the ARRT-MRI examination will be obtained after the completion of MRIT didactic courses. Courses are offered every Fall, Spring, and Summer semesters. The program is designed to be completed in two consecutive semesters.

All prospective candidates who wish to be admitted to the Magnetic Resonance Imaging should submit application material to:

<p>MRI Program Coordinator Melissa Zermeno RT(R)(MR)(M) Melissa.LedesmaZermeno@sjcd.edu</p>	<p>Approximate Program Costs: (all costs are subject to change)</p> <ul style="list-style-type: none"> ➤ Tuition and fees: In-district \$300/3 credit hours; Out of district \$435/3credit hours <ul style="list-style-type: none"> ○ Courses may include a lab fee ○ Courses may be taken through CPD ➤ Books and supplies (paper, ink, uniforms): \$250 ➤ Trajecsys Reporting System- \$100 for the full 2 semester program ➤ CastleBranch Registration- \$100
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Mammography Program Details

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 training, knowledge, and skills needed to prepare for an successfully pass the mammography post primary examination offered by ARRT; in addition 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, communication skills and specialty equipment.

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 as evening classes. Clinical rotations are offered the second eight weeks as day time rotations, averaging 22 hours a week.

All prospective candidates who wish to be admitted to the Mammography Program should submit a program application to the program coordinator, Melissa Zermeno at 476-1501 x 1714; email address: Melissa.LedesmaZermeno@sjcd.edu

<p><u>Curriculum</u></p> <p>MAMT 2333- Essentials of Mammography 3 MAMT 2363- Clinic I 3 Total 6 Credit hours</p>	<p>*Must be ARRT in Radiography</p> <ul style="list-style-type: none"> ➤ Courses offered each SPRING and FALL semester ➤ Entire program length is one semester (16 weeks) ➤ Lecture/ Labs are offered the 1st eight weeks on Central campus; Tuesday evenings – <i>Online partial</i> ➤ Clinical rotations are offered the 2nd eight weeks; Days shifts- 22 hours/week ➤ Tuition and fees: In-district \$300/3 credit hours; Out of district \$435/3credit hours. These courses may include a lab fee. (Courses may be taken from CPD). ➤ Book fee and supplies (paper, ink, uniforms): \$250 ➤ <i>All costs are approximate and subject to change</i>
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