

# Radiologic Technology Program



PROGRAM INFORMATION PACKET

**Mt. San Antonio College**

**Health Careers Resource Center**

**<http://www.mtsac.edu/radiologic/>**



# RT Program Information Packet

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## **Program Overview**

The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology and is recognized by the California Department of Public Health (CDPH). The program is designed to prepare competent and professional entry-level radiographers able to meet the needs of the healthcare community. The primary responsibility of technologists is to create images of patients' bodies using medical imaging equipment. This helps doctors diagnose and treat diseases and injuries.

The program provides a complete educational experience. Program curriculum includes the radiography didactic and clinical competency requirements set forth by the American Registry of Radiologic Technologist (ARRT), and the educational standards established by the American Society of Radiologic Technologists. Educational activities include lectures, discussions, group activities, labs, and hands-on clinical training.

Upon completion of the Associate of Science (AS) degree in Radiologic Technology, graduates are eligible to apply for certification by the ARRT and the CDPH.

## **Accreditation**

Mt. San Antonio College is accredited by the Western Association of Schools and Colleges and the State Department of Education. The Radiologic Technology Program is recognized by the California Department of Public Health and is accredited by:

*The Joint Review Committee on Education in Radiologic Technology (JRCERT)*  
20 North Wacker Drive, Suite 2850  
Chicago, IL 60606-3182  
312-704-5300

The program complies with the JRCERT standards and has been granted an 8-year accreditation through 2024. A copy of the JRCERT STANDARDS and information on program compliance are available on the JRCERT's website at: <https://www.jrcert.org/jrcert-standards/>



## PROGRAM APPLICATION PROCESS

Prior to applying to the program, you must first [apply to Mt. SAC](#). Once you have been assigned a Mt. SAC identification number and username, you will have access to apply to the program.

### ➤ **STEP 1 – Apply to RT Program**

- Complete and submit a [Mt. SAC RT Program Application Online](#). Your application is dated upon receipt and will be added to the waitlist in the order in which it was received.

### ➤ **STEP 2 – Complete Required Courses**

Refer to your Mountie Academic Plan (MAP) provided by your Counselor. Required prerequisite courses include:

- ANAT 10A Introductory Human Anatomy or ANAT 35 Human Anatomy
- ANAT 10B Introductory Human Physiology or ANAT 36 Human Physiology
- PHYS 1 Physics
- MEDI 90 Medical Terminology
- General Education Courses & Other Requirements

### ➤ **STEP 3 – Respond to General Interest Letter**

- Each Fall semester, a General Interest Letter will be emailed to you. The letter will ask you if you're still interested in the program.
- If you are still interested, you must respond by the due date specified in the letter.
- Failure to respond by the due date will result in your application being discarded and you will need to reapply to the program.
- The letter will include instructions on how to delete your application if you are no longer interested in the program.

## PROGRAM ADMISSION PROCESS

To gain admission to the Radiologic Technology (RT) program, you must complete the following steps:

### ➤ **STEP 1 – Complete RT Program/ Admission Course Checklist**

- After you respond to the General Interest Letter, you will be directed to meet with a Mt. SAC Counselor to complete a Radiologic Technology Program / Admission Course Checklist. The Counselor will verify you've completed all Associate in Science (AS) degree requirements including general education and prerequisites.
- You must complete the checklist on an annual basis **unless** all AS degree and program prerequisites have been verified on a previously completed checklist.
- Failure to complete the checklist by the due date will result in your application being deferred to the following year.

### ➤ **STEP 2 – Selection**

- Selection of students is based upon the completion of admission requirements and date of application. The first-come, first-served process ensures program admission practices provide equal opportunity to all applicants.

### ➤ **STEP 3 – Respond to Provisional Admission Letter**

- In early Spring, a provisional admission letter will be emailed to selected applicants.
- You will have the option to accept or defer your provisional admission.
  - By accepting admission, you are considered a “provisional” admit.
  - Deferring admission will move your application to the following year. Applicants can defer up to two times.
  - Failure to respond by the due date will result in your application being discarded and you will need to reapply to the program.
- The provisional admission letter will include an invitation to a **mandatory RT Program Orientation**. If you fail to attend orientation, **you will not be admitted** to the program. An alternate student will assume your place.

### ➤ **STEP 4 – Admission**

- After your attendance at the RT Program Orientation is verified, you are considered a “formal” admit.
- A formal admission letter will be emailed to you.

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## **Program Mission**

The mission of the radiologic technology program is to prepare competent and professional entry-level radiographers able to meet the needs of the healthcare community.

## **Program Goals**

1. Students will be clinically competent.
2. Students will communicate effectively.
3. Students will develop critical thinking skills.

## **Program Effectiveness Data**

The JRCERT requires accredited programs to report program effectiveness data (PED) on a yearly basis. The data is posted and available to the public on the [program's website](#) and the [JRCERT website](#). PED includes annual program completion rate, five-year average credentialing examination pass rate, and five-year average job placement rate.

## **Associate of Science Degree**

The program is an Associate of Science (AS) degree program. Students must complete RT major course requirements and AS degree requirements. AS degree requirements are listed in the Mt. SAC catalog.

- **Program Curriculum Sequence & Schedule**
  - See p. 11 for program course sequence and course schedules. The information is subject to change.

## **Career Brief**

### Radiologic Technologists

- Provide patient care, including explaining medical procedures and positioning patients for examinations.
- Operate radiologic equipment to produce images of the body for diagnostic purposes.
- Critique x-ray images to determine diagnostic quality and corrective measures.
- Use radiation safety measures and protection devices to comply with government regulations and to ensure safety of patients and staff.

## **Employment Outlook**

Overall employment of radiologic technologists is projected to grow 6 percent from 2022 to 2032, faster than the average for all occupations.

About 15,700 openings for radiologic MRI technologists are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

As the population grows and ages, there will be an increasing demand for diagnostic imaging. With age

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comes an increased incidence of illness and injury, which often requires diagnostic imaging for diagnosis. In addition to diagnosis, diagnostic imaging is used to monitor the progress of disease treatment. With the increasing success of medical technologies in treating disease, diagnostic imaging will increasingly be needed to monitor progress of treatment.

Although hospitals will remain the principal employer of radiologic technologists, a number of new jobs will be found in offices of physicians and diagnostic imaging centers. As technology advances many imaging modalities are becoming less expensive and more feasible to have in a physician's office.

With additional training, opportunities exist in various modalities, such as magnetic resonance imaging (MRI), computerized tomography (CT), sonography, radiation therapy, and angiography, as well as medical sales, management, and education. Technologists with multiple certifications will have the best job prospects. ([Bureau of Labor Statistics, Occupational Outlook 2023](#)).

## **Pay**

Varies by employer, location, part-time vs full-time, shift hours, etc.

California hourly mean wage \$47.79 ([Salary Finder | CareerOneStop](#))

National hourly mean wage \$31.42 ([Salary Finder | CareerOneStop](#))

California mean full-time income – \$99,390 ([Salary Finder | CareerOneStop](#))

## **Costs**

Costs include fees for enrollment, activities, health services, transportation, materials, parking, etc. Visit the college's [Fees website](#) for current information. Scholarships and loan funds are available. Contact [Mt. SAC's Financial Aid Office](#) for more information.

Program students have additional program expenses. The list below includes sample expenses and approximate costs. Students are responsible for all expenses.

### **Student Expenses**

Background Check	Approx. \$42
Drug Screening	Approx. \$20
X-ray Markers	Approx. \$12 each
Uniforms	Approx. \$40- \$60 each
Physical Examination	Approx. \$115 for first year; \$50 following semesters
Textbooks	Approx. \$500 for first semester; \$160 following semesters
Licensing Fees	Approx. \$500
CPR Certification	Approx. \$65 (renewal \$45)
Transportation	Must have own transportation
Meals	Not provided by the hospitals or the college

**\* College fees and student expenses are subject to change each year**

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## **Essential Functions for Success**

Students must meet the following Essential Functions for Success in the Radiologic Technology Program:

### **Communication Skills**

- Possess effective English communication skills (speaking, reading, and writing)

### **Physical Demands**

- Perform prolonged, extensive, or considerable standing/walking, lifting positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift/carry 50 lbs. or more)
- Perform considerable reaching, stooping, bending, kneeling, and crouching
- Respond rapidly to situations involving the health and safety of patients
- Function adequately under stressful situations

### **Sensory Demands**

(May be corrected with adaptive devices)

- Color vision: ability to distinguish and identify colors
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: ability to recognize a full range of tones

### **Work Environment**

Students must function in an environment with potential exposure to

- Infectious and contagious diseases
- Blood borne diseases
- Hazardous agents, body fluids and wastes
- Odorous chemicals and specimens
- Products containing latex
- Hazards of flammable, explosive gases
- Burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Emergency or crisis situations
- Judgment/actions related to end-of-life issues

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## **Selection Procedure**

Selection of students is based upon the completion of admission requirements and date of application. The first-come, first-served process ensures program admission practices provide equal opportunity to all applicants.

## **Clinical Requirements**

### **Physical Examination**

A physical examination, including specific immunizations and passing drug test, is required prior to entering the clinical education phase. Physical examinations are required by the program's clinical affiliates. Procedures will be provided upon admission.

### **Background Check**

A background check, indicating a passing clearance, is required prior to entering the clinical education phase. A valid Social Security number is required to complete this process. Background checks are required by the program's clinical affiliates. Procedures will be provided upon admission.

#### **ARRT Ethics Review Pre-Application**

Students with ethics violations may be ineligible to apply for certification by the American Registry of Radiologic Technology (ARRT). Ethics violations include misdemeanor or felony charges, convictions, military courts-martial, disciplinary actions taken by a state or federal regulatory authority or certification board, and serious honor code violations (e.g., patient abuse, violating patient confidentiality, cheating). If a student has concerns about a potential ethics violation, the student should consider (not required) requesting an ARRT ethics review prior to applying to the program. Information is available at the [ARRT Ethics website](#).

Requesting an ethics review is not required. However, the program strongly recommends students self-report criminal or disciplinary history prior to program admission or anytime as needed. This process can help avoid delays or denial of clinical placement, and denial of licensure.

### **Social Security Number**

A valid Social Security Number (SSN) is required. This is a licensed profession and a SSN is required to apply for CDPH certification and to complete clinical education requirements.

### **CPR – Basic Life Support Provider Card**

CPR certification is required prior to entering the clinical education phase. Certification must be American Heart Association: Basic Life Support (BLS) for Healthcare Providers.

## **Student Support Services**

Mt. SAC offers a number of support programs for students in all different types of situations. Whether you're a veteran, a foster youth, an international student or a DREAMer, we have a support program designed to help you as you work to achieve your educational goals.

Students can access the services through the [Student Support Services Website](#) or by the visiting the appropriate student service building on campus. Services include the following:

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## **Counseling**

The Counseling Department provides essential academic, career, and personal counseling services to a diverse and changing student population. The team is committed to meeting the needs of students while serving the broader campus community in an innovative and equitable manner. Information is available on the college's Counseling webpage.

## **Financial Aid**

Mt. SAC offers a variety of financial aid programs funded by the federal and state governments and private sources, including the Mt. SAC Foundation. Information is available on the college's [Financial Aid](#) webpage.

## **Academic Support and Achievement**

The Academic Support and Achievement Center places the success of students and the support of faculty at the heart of our mission by providing quality supplemental learning opportunities, instructional resources and a highly qualified and trained staff to enhance the learning process and increase academic success. Information is available on the college's [Academic Support and Achievement Center webpage](#).

## **English as a Second Language (ESL)**

To succeed in the program, students must possess effective communications skills. Thus, applicants who are non-native speakers should seek assistance from MtSAC's ESL program. The program is designed to help improve student language, study skills, job skills, and general English communication skills. Information is available on the college's [ESL](#) web page.

## **Students with Disabilities**

Students with disabilities may need counseling, instruction, and special accommodations while enrolled in the program. Information on services is available on the college's [Accessibility Resource Center](#) web page.

## **Family Educational Rights and Privacy Act (FERPA)**

The Family Educational rights and Privacy Act affords students certain rights with respect to their educational records. See the college's [Student's Rights and Policies](#) web page to review these rights

## **College Policies Safeguarding the Health and Safety of Students**

Institutional policies and procedures ensure students are protected. Policies address areas such as emergency preparedness, harassment, communicable diseases, campus safety, standards of conduct, and substance abuse. Policies and procedures meet federal and/or state requirements as applicable.

Students may access College Board Policies (BPs) and Administrative Procedures (APs) on the college's [Board Policies \(BPs\) and Administrative Procedures \(APs\)](#) webpage. The APs and BPs provide detailed information on all institutional policies.

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## Additional Information

### **Travel and Transportation**

Affiliated clinical facilities are located within 30 miles from campus. Students must be willing to travel to any location. Students are responsible for providing their own transportation to school and to clinical facilities.

### **Vacation Periods**

Students will have college scheduled break periods between semesters. Students may not schedule additional breaks or vacation periods.

### **Outside Work**

Due to the hours required by the program, outside work is not recommended. Work schedules must not adversely affect the student's ability to meet course schedules and comply with attendance policies.

Students employed in a diagnostic imaging department may hold positions such as transporter or clerical workers. However, students may never utilize ionizing radiation on humans without State Certification. This action is a violation of [California Radiation Control Regulations, Title 17](#), and punishable as a misdemeanor.

### **Resources**

[American Society of Radiologic Technology](#)

[California Society of Radiologic Technology](#)

[American Registry of Radiologic Technology](#)

[Joint Review Committee on Education in Radiologic Technology](#)

*Thank you for your interest in the Radiologic Technology Program. Should you have questions about eligibility, our requirements, or applying, we're here to help. Contact us at (909) 274-4750*

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## Curriculum Sequence & Schedule (26 months total)

Year/Semester	Course	Units	Hours	Professor
<b>Prerequisite courses required prior to program admission</b>				
	ANAT10A Introductory Human Anatomy	4	Variable	Variable
	ANAT10B Introductory Human Physiology	4	Variable	Variable
	MEDI90 Medical Terminology	3	Variable	Variable
	PHYS1 Physics	4	Variable	Variable
1/Summer	RAD91 Patient Care in Radiologic Sciences	3	M/W 7:00am-12:45pm	Foley
	RAD50 Introduction to Radiologic Science and Healthcare	3	T/Th 7:00am-11:15am	Engisch
1/Fall	RAD61A Theory of Radiologic Technology	4	T/Th 9:55am-12:00pm	Engisch
	RAD61B Radiographic Procedures I	3	M/W 10:30am-11:55	Neel
	RAD61C Radiographic Procedures I Laboratory	1.5	M or W 7:50am-10:25am or 12:00pm-2:35pm	Neel
	RAD1A Clinical Experience 1A	4.5	T/Th 1:00pm-5:00pm & F 8:00am-4:30pm	Engisch, McLaughlin, Neel
1/Winter	RAD1B Clinical Experience 1B	2.5	M-F 7:30am-12:30pm	Engisch, McLaughlin, Neel
1/Spring	RAD62A Theory of Radiologic Technology	4	T/Th 1:00pm-3:05pm	Engisch
	RAD62B Radiographic Procedures II	3	M/W 10:30am-11:55am	Neel
	RAD62C Radiographic Procedures II Laboratory	1.5	M or W 7:50am-10:25am or 12:00pm-2:35pm	Neel
	RAD2A Clinical Experience 2A	4.5	T/Th 8:00am-12:00pm & F 8:00am-4:30pm	Engisch, McLaughlin, Neel
2/Summer	RAD2B Clinical Experience 2B	2.5	M/W/F 8:00am-4:30pm	Engisch, McLaughlin, Neel
2/Fall	RAD63 Theory of Radiologic Technology	1	T (8weeks) 1:00pm-3:05pm	McLaughlin
	RAD30 Radiographic Pathology	1.5	T (8weeks) 1:00pm-4:10pm	McLaughlin
	RAD3A Clinical Experience 3A	7	M/W 8:00am-4:30pm T/Th 8:00am-12:00pm	Engisch, McLaughlin, Neel
2/Winter	RAD3B Clinical Experience 3B	2.5	M-F 12:30pm-5:30pm	Engisch, McLaughlin, Neel
	RAD32 Digital Imaging in Radiology	2	T/Th 8:30am-11:20am	McLaughlin
2/Spring	RAD31 Fluoroscopy and Radiobiology	4	F 7:00am-11:15am	Engisch
	RAD64 Theory of Radiologic Technology	4	T/Th 9:55am-12:00pm	McLaughlin
	RAD3C Clinical Experience 3C	7	M/W 8:00am-4:30pm T/Th 1:00pm-5:00pm	Engisch, McLaughlin, Neel
2/Summer	RAD4 Clinical Experience 4	4	M-F 8:00am-4:30pm	Engisch, McLaughlin, Neel
Total	w/ pre-reqs 25 courses	85		
	w/o pre-reqs 21 courses	70		

*Subject to Change*