

# Radiologic Technology

RADIOLOGIC TECHNOLOGY DEPARTMENT

Major 21206

The course of study in Radiologic Technology offered at Mt. San Antonio College and its affiliated hospitals will prepare students to be certified radiologic technologists. Students will gain knowledge and understanding of the diagnostic uses of x-ray, as well as the technical skills to use x-ray equipment in both laboratory and clinical settings. The courses are developed to enable students to operate x-ray equipment, assist in the diagnosis of disease, and to observe proper medical ethics. Students will learn the nature of radiation, the principles of electricity, the structure of x-ray machines, and the operation of a clinical x-ray department.

To remain in the program, students must maintain a grade of "C" or better in all courses.

Upon completion of the Associate in Science Degree in Radiologic Technology, graduates are eligible to apply for the registry examination through the American Registry of Radiologic Technologists and the California Certification of Radiologic Technology.

## Requirements for the Major

### Required courses:

ANAT 10A	Introductory Human Anatomy	4.0	CSU, UC
COMP 10	Operating the Macintosh Computer	1.5	CSU
MEDI 90	Medical Terminology	3.0	CSU
RAD 30	Radiographic Pathology	1.5	
RAD 31	Fluoroscopy	2.0	
RAD 50	Radiologic Technology	3.0	CSU
RAD 52A	Techniques of Radiologic Technology	4.5	CSU
RAD 52B	Techniques of Radiologic Technology	2.5	CSU
RAD 53	Techniques of Radiologic Technology	5.0	CSU
RAD 54	Techniques of Radiologic Technology	3.0	CSU
RAD 55A	Techniques of Radiologic Technology	7.0	CSU
RAD 55B	Techniques of Radiologic Technology	2.5	CSU
RAD 56	Techniques of Radiologic Technology	7.0	CSU
RAD 57	Techniques of Radiologic Technology	4.0	CSU
RAD 61A	Theory of Radiologic Technology	4.0	CSU
RAD 61B	Radiographic Positioning	3.0	CSU
RAD 61C	Radiologic Technology Seminar	1.0	CSU
RAD 62A	Theory of Radiologic Technology	4.0	CSU
RAD 62B	Radiographic Positioning	3.0	CSU
RAD 62C	Radiologic Technology Seminar	1.0	CSU
RAD 63	Theory of Radiologic Technology	4.0	CSU
RAD 64	Theory of Radiologic Technology	4.0	CSU
RAD 91	Nursing Procedures in Radiologic Technology	2.0	CSU

**TOTAL UNITS 76.5**

*ANAT 10A, and MEDI 90 may be taken prior to RAD 50.*

### Entrance Requirements:

In addition to meeting Mt. San Antonio College's academic standards for admission, applicants must be in good standing and satisfy the following requirements:

- Applicant must be 18 years of age upon entrance into the program.
- High school graduate or equivalent.
- File a college application and be accepted as a student at Mt. San Antonio College.

- d. After completion of prerequisites, submit an application for the Radiologic Technology Program to the Technology and Health Division Office (909) 594-5611, ext. 4750. All applications are dated upon receipt in the Technology and Health Division Office. A program begins each summer session.
- e. Take the college placement examination which is used as an indicator. If you have already taken a college placement exam within the past two years at another school, arrange to have your scores forwarded to the Technology and Health Division Office. (*If you were tested at Mt. San Antonio College, the Technology and Health Division Office will obtain the test scores as long as an "Application for Admission" is on file with the Admissions and Records Office.*) Arrangements should be made with the Service Center to schedule a date and time to take the college placement examination if required. The Assessment Center is open Monday through Friday. You may contact them at (909) 594-5611, ext. 4265.
- f. Complete the following prerequisite courses with a minimum grade of "C" in each course:
  1. General High School Algebra (*one year*), or Introductory College Algebra (*one semester*) or MATH 51 – Elementary Algebra, or equivalent;
  2. General High School Chemistry (*one year*), or Introductory College Chemistry (*one semester*), or CHEM 10, Chemistry for Allied Health Chemistry, or equivalent.

Students must complete prerequisite courses before applying to the program.

- g. Forward two official transcripts of all coursework completed (*high school, nursing school, and other than Mt. San Antonio College courses*). One transcript must be sent to the Technology and Health Division Office, and the other to the Admissions and Records Office.
- h. For students who possess a college degree, the English placement test is not required. However, it will be necessary for a student to obtain two official copies of the college transcript showing the degree issued. One official transcript must be sent to the Technology and Health Division Office, and the other to the Admissions and Records Office.

If the course(s) were taken and/or the degree obtained at Mt. San Antonio College, it is not necessary to request transcripts.

Request the transcript for the Division Office be addressed as follows:

**Example:**

Mt. San Antonio College  
 Technology and Health Division  
 Radiologic Technology Program  
 1100 North Grand Avenue  
 Walnut, CA 91789-1399

- i. A physical examination, certain immunizations, and malpractice insurance are required of all candidates after acceptance to the program and before entrance into the clinical setting. Drug testing will be required as part of the physical examination for all radiologic technology students. Forms and information will be provided at that time.
- j. All students may be required to complete a background check prior to entering the clinical education phase.
- k. An orientation with the Radiologic Technology Department will be held during the spring semester. Please contact the Technology and Health Division Office for date and time of orientation.
- l. Make an appointment with an educational advisor to review general education requirements for graduation.

**Selection Procedure**

Selection of students is based upon the completion of the above admission requirements and date of application. The Department will make every effort to notify the applicant of acceptance by mail no less than one month prior to beginning of a program.

**Program Completion Requirements**

- a. In addition to the major requirements and general education, students must also complete a course in venipuncture for radiographers. This course is offered through Community Education but may be taken elsewhere with prior approval from the department.
- b. A course in mammography is also offered in the final semester for graduate students and licensed radiographers. This course is optional.