

# 2022 Radiologic Technology



## Program Brochure

(Last edited November 2022 – JW/ML/JO)

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## Introduction

Thank you for your interest in the Radiologic Technology Program. This document aims to provide you with information about the Los Angeles City College Radiologic Technology Program. The LACC Radiologic Technology program began with classes in 1958.

## Mission Statement

The mission of the Radiologic Technology Program at Los Angeles City College is to instruct students with the technical interpersonal skills necessary for success as a professional diagnostic medical radiographer.

## Program Goals

1. Prepare clinically competent entry-level Radiologic Technologists.
2. Cultivate Radiologic Technologists who utilize exceptional communication skills with patients and coworkers.
3. Train Radiologic Technologists to use critical thinking and problem solving skills to perform job related functions.
4. Produce Radiologic Technologists who will grow, develop, and become members of professional organizations that foster career growth.

## A Career in Radiologic Technology

Radiologic Technology is a health care profession whose practitioners work in hospitals, clinics, free standing imaging centers, and private offices. The Radiologic Technologist (Radiographer) is a member of the health care team who works directly with the patient and the physician performing a wide variety of diagnostic x-ray procedures including Computed Tomography, Magnetic Resonance Imaging, and Positron Emission Tomography (PET/CT).

The Radiographer must be proficient in the knowledge of radiographic exposure, human anatomy and positioning the patient to demonstrate the desired anatomy, medical terminology, the operation of specialized equipment, and the assessment, care and management of the patient.

The rapid expansion of medical diagnostic imaging has greatly increased the diversity and utility of medical diagnosis. A career in Radiologic Technology offers vast opportunities for advancement.

## Accreditation

The Radiologic Technology curriculum is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) 20 N Wacker Drive Suite 2850 Chicago, IL 60606 Phone (312) 704-5300 and the State of California Department of Health Services.

The Joint Review Committee on Education in Radiologic Technology Standards can be found at the following website: <https://www.jrcert.org/>

Additionally, students can report allegations that an accredited program is not in compliance with JRCERT accreditation standards by going to the following website: <https://www.jrcert.org/accreditation-for-students/allegations/>

The clinical educational centers are accredited by the Joint Commission for the Accreditation of Health Care Organizations (JCAHO). Los Angeles City College is accredited by the Western Association of Schools and Colleges.

## Certification

Students who complete the associate degree requirements including the clinical education requirements will be eligible to take the national board examination prepared by the American Registry of Radiologic Technologists (ARRT) and apply to the State of California, Department of Public Health, Radiologic Health Branch (CA-DPH RHB) for certification.

## Conditional Acceptance into the Program

The LACC RT Program accepts a limited number of students into the program on a conditional basis. The number accepted is based on the number of clinical education positions available at our approved clinical sites. The selection process is now a waitlist. New qualified student applicants are added to the end of the waitlist in random order. For detailed information about our selection process please check on our Radiologic Technology Website: <http://www.lacitycollege.edu/Academic-Departments/Rad-Tech/Department-Home>

- ✓ Online applications to the RT department must be submitted between February 1st and March 31st each year for new applicants and those student applicants currently on the waitlist.
- ✓ 20 students are accepted to the RT Program once a year in the beginning of the Fall semester on a conditional basis.
- ✓ Conditions for official acceptance into the Program are outlined further in this document.
- ✓ It is the applicant's responsibility to make sure all necessary steps are followed.
- ✓ Students are required to graduate with an Associate in Science degree in Radiologic Technology

## Background, Drug & Health Requirements

Upon conditional acceptance into the Radiologic Technology Program, the student must have a physical examination performed by a licensed physician at the student's expense. Documentation must be submitted to prove the student is free from communicable diseases, infection, psychological disorders, or other conditions that prevent the successful performance of the responsibilities and tasks required in the program.

**Immunization records** must be current including COVID-19 vaccine and booster, flu vaccine, Hepatitis B vaccine, and negative TB test. Each clinical site may have additional required vaccinations.

New students must also have **BLS certification approved by the American Heart Association (AHA)** before starting their clinical site rotations. An American Red Cross CPR card obtained prior to acceptance will not be accepted.

## Official Acceptance to the Program

**Official acceptance** into the LACC RT Program does not occur until the following conditions have been met prior to beginning the program. (Note: Clinical sites may require proof of additional immunization)

- ✓ Students **must pass a background check, medical clearance, and drug screening (at students' cost)**
- ✓ Students must provide an **Immunization records** that includes:
  1. Proof of Covid-19 vaccine and booster
  2. Flu vaccine
  3. Negative TB test
  4. Hepatitis B vaccine
  5. Tetanus, Diphtheria, and Acellular Pertussis (Tdap)
  6. Measles, Mumps, and Rubella (MMR)
  7. Varicella (chicken pox vaccine)

## Prerequisite Courses

1. RT 200 Introduction to Radiologic Technology (3 units)
  - must be completed at LACC
  - A minimum of 40 hours of volunteer work and observation in a Diagnostic Imaging department of various routine procedures and examinations performed by a radiologist or technologist is required.
2. RT 201 Medical Terminology for Radiologic Technology (3 units)
  - If taken this course at another college, it must be a 3-unit college level Medical Terminology course, substituted via a general petition
3. RT 202 Introduction to Electromagnetic Radiation Image Recording and Processing (4 units)
  - must be completed at LACC
  - Enrollment requirements:
    - ENG 028 Intermediate Reading and Composition (3 units)
    - ENG 067 Writing Lab (0.5 unit)
    - RT 200 Introduction to Radiologic Technology (3 units)
    - RT 201 Medical Terminology for Radiologic Technology (3 units)
4. Anatomy 001 Introductory to Human Anatomy (4 units)
5. Physiology 001 Introductory to Human Physiology (4 units)
6. Math 125 Intermediate Algebra (5 units), equivalent or higher
7. English 101 College Reading and Composition I (3 units)
  - Enrollment Requirement: E.S.L. 008 or ENG 028 or placement in ENG 101

\* All General Education requirements for an Associate Degree must be completed by the end of the Spring semester of the application year.

To schedule an appointment with an Academic Counselor to verify course equivalence from another school or general education completion please click on link:

<https://www.lacitycollege.edu/Academics/Counseling/Department-Home>

## Technical Standards

Radiography requires proficiency in the application of technical knowledge, operation of specialized equipment in a competent and safe manner, and the ability to provide physical care and emotional support to patients during radiographic procedures. Therefore, to be admitted to the Program, or to be retained in the program after admission, all applicants should possess:

1. Visual acuity, such as needed in the accurate preparation and administration of contrast media and for the observation necessary for patient assessment, care and management.
2. Auditory perception to receive verbal communication from patients needing assistance and from members of the health care team.
3. Communication skills (speech, reading, writing) to interact effectively and sensitively with patients to elicit information; describe changes in patient's condition; assess non-verbal communications; and be able to effectively and efficiently transmit information to patients, fellow students, faculty, staff and all members of the health care team.
4. Gross and fine motor coordination to carry out diagnostic procedures including reaching, lifting, and moving radiographic equipment. Applicants should be able to execute motor movements reasonably required to provide general and emergency care to patients.
5. Intellectual ability to be able to measure, calculate, reason, analyze and evaluate as required for direct patient care. The applicant must be able to comprehend three-dimensional and spatial relationships.
6. Emotional stability to enable use of intellectual abilities, exercise good judgment, promptly complete all responsibilities attendant to care of the patients.
7. Social attributes to allow the development of mature, effective relationships with patients, faculty, co-workers, and administrators.



The "Technical Standards for Admission" have been established as a guidance tool for use in realistically informing the student of minimum standards needed to satisfactorily function in the Program and ultimately in the profession.

The assessment of an applicant's compliance to these Standards will be accomplished in the following manner:

1. Faculty counseling to determine applicant's goals and expectations.
2. A physical examination performed by a licensed physician.
3. Program Admissions Committee meeting to identify deficiencies that may become barriers to the professional success of the student.

Applicants who may be deficient in one or more of the areas mentioned above should contact the Program Director. The Program Admissions Committee will seriously consider applicants who are deficient in any of these categories, providing the deficiency can be remedied with reasonable accommodation.

## Curriculum

**Didactic Courses:** The following courses are taken after the student has been officially accepted into the Radiologic Technology Program.

### ===== **First Year** =====

#### **Fall Semester (19 units)**

Radiologic Technology 103- Radiographic Anatomy and Positioning- Skeletal System (4 units)

Radiologic Technology 205- Fundamentals of X-Ray Physics (4 units)

Radiologic Technology 207- Patient Care and Management (4 units)

Radiologic Technology 208- Cross Sectional Anatomy and Pathology (3 units)

Radiologic Technology 240- Radiation Protection and Biology (4 units)

#### **Winter Semester (4 units)**

Radiologic Technology 210- Quality Management (1 unit)

Radiologic Technology 108- Radiographic Bootcamp (3 units)

#### **Spring Semester (15 units) \***

Radiologic Technology 104- Radiographic Anatomy and Positioning -Cranium and Visceral Organs (4 units)

Radiologic Technology 206- Radiographic Exposure (4 units)

Radiologic Technology 209- Pharmacology and Venipuncture with Basic Life Support (BLS) (3 units)\*

Radiologic Technology 260- Introduction to Clinical Education (4 units)

#### **Summer Semester (3 units)**

Radiologic Technology 280- Clinical Education in Radiologic Technology I (3 units)

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## Second Year

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### Fall Semester (16 units)

Radiologic Technology 211- Computed Tomography (4 units)

Radiologic Technology 281- Clinical Education in Radiologic Technology II (12 units)

### Winter Semester (4 units)

Radiologic Technology 282- Clinical Education in Radiologic Technology III (4 units)

### Spring Semester (16 units)

Radiologic Technology 243- Principles and Practices of Fluoroscopy (4 units)

Radiologic Technology 283- Clinical Education in Radiologic Technology IV (12 units)

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**Clinical Education:** The program requires a full time, two-year commitment. Classroom and laboratory courses are held at the college and are scheduled Monday through Friday between the hours of 5 a.m. and 7 p.m. A late afternoon, evening, or an occasional Saturday class or clinical rotation may be scheduled.

Clinical education is provided at the following medical facilities:

1. Good Samaritan Medical Center
2. Kaiser Permanente Medical Center-Sunset
3. Kaiser Permanente Medical Center-West Los Angeles

**The clinical education schedule is full time. Depending on the semester, the clinical education is anywhere from 34-37 hours per week for 12 months.** This does not include courses taken on campus. Students meet regularly with the Clinical Coordinator and/or Program Director at the student's clinical site at prearranged times to evaluate the effectiveness of the clinical training.

## Estimated Financial Cost

Legal residents of the State of California are required to pay nominal enrollment fees. Non-resident students are required by State law to pay non-resident tuition fees. Consult Los Angeles City College Admissions and Records for current fees. (Fees are subject to change per the State Legislature.) In addition, students may expect other fees and expenses during the length of the program.

1. Enrollment Fee		\$ 46.00 per unit
2. Associated Student Body Membership (optional)		\$ 7.00
3. Health Fee		\$ 11.00
4. Parking Fee (optional)		\$ 20.00
5. Certification Examinations		\$450.00 (estimated)
ARRT Radiography - \$225		
CRT Radiography- \$112		
CRT Fluoroscopy - \$112		
6. Graduation fees & expenses		\$165.00
7. Identification Badge	(one time)	\$8.00
8. Liability/Malpractice insurance	(annually)	\$68.00
9. Pre-entrance medical examination	(one time)	\$200.00
10. Professional organizations	(annually)	\$75.00
11. Program Pin	(one time)	\$20.00
12. Textbooks and supplies	(entire program)	\$800.00
13. Uniforms	(entire program)	\$200.00
14. Drug Testing and Background Check	(prior to start of program)	\$100.00
15. Immunizations	(one time)	\$200.00
16. Film Badges	(entire program)	\$80.00
<b>Total Cost</b>	<b>(Approximate Total Cost)</b>	<b>\$6200</b>

## Financial Aid

The Financial Aid Office administers federal, state, and institutional programs designed to expand college access. The available financial assistance comes in the form of grants, work-study, loans, and scholarships. The assistance makes it possible for individuals to continue their education beyond high school, even if they and/or their families cannot meet the full cost of post-secondary education.

For more information visit the website: <https://www.lacitycollege.edu/Admissions/Financial-Aid/Department-Home>

## ARRT Ethics Committee

An individual who has been involved in a criminal proceeding or who has been charged with or convicted of a crime may file a pre-application with the ARRT in order to obtain a ruling on the impact of the situation on their eligibility for certification and registration. A charge or conviction of, a plea of guilty to, or a plea of nolo contendere (no contest) to an offense which is classified as a misdemeanor or felony constitutes a conviction for ARRT purposes. This includes situations in which the result is deferred or withheld adjudication, or suspended or withheld sentence.

This procedure may enable the individual who has been involved in a criminal proceeding or has a criminal conviction to avoid any delays or possible ineligibility in processing an Application for examination that is made at the time of graduation from an approved program. If a student thinks he/she may need to file a pre-application they will need to contact a faculty member of the Radiologic Technology Department for more information.

For more information visit the website here: <https://www.arrt.org/pages/earn-arrt-credentials/initial-requirements/ethics/ethics-review-preapplication>

## Contact Information

If you have questions, we have answers:

Program Director: Michael Loomis

[loomismo@lacitycollege.edu](mailto:loomismo@lacitycollege.edu)

Department Chair, Clinical Coordinator & RSO:

Julie Washenik

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Clinical Coordinator & Alt. RSO:

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Thank you for your interest in the  
Los Angeles City College Radiologic Technology Program!

