



## Associate of Science in Medical Radiography

### Are you interested in working with people and technology?

#### Why not consider a career in Medical Radiography?

The Medical Radiographer, also known as a Radiologic Technologist or X-ray Tech, is responsible for imaging body structures such as bones and soft tissue. The Radiographer's job is to position the patient, determine exposure factors, manipulate medical imaging equipment, evaluate radiographic image quality, provide patient comfort, and oversee patient and medical team radiation protection. Radiologic Technologists also assist in procedures that visualize the gastrointestinal and urinary tracks using radiographic contrast and fluoroscopy. Radiographers participate in fast-paced work challenges in a variety of healthcare settings and must possess the ability to be accurate and calm under pressure. Radiographers must be good at working with patients. Radiographers exhibit professional service which is focused on providing excellent patient care.

#### Associate of Science in Medical Radiography Program

The A.S. in Medical Radiography program is a 21-month/40-hour per week full-time program, beginning every September, where students complete academic instruction and gain over 1,850 clinical hours of Radiography experience. Students are enrolled for 48 weeks the first year and 56 weeks the second year. Breaks are given between quarters, which follow the standard Loma Linda University academic calendar. It is a full-time program with no arrangements for part-time or evening status.

Instruction incorporates a variety of learning styles. Students will be exposed to lectures, active learning activities, hands-on positioning lab, live imaging lab, group projects, speeches, papers, and online assignments. Students gain practical experience in digital radiography and computed tomography (CT). Students also experience rotations in the other radiologic technology specialties.

Students complete this program with a well-rounded Associate degree, education to be a Medical Radiographer, and qualification to sit for the ARRT board exam in Radiography. The LLU program in Medical Radiography holds a first-time ARRT board pass rate of over 90%. These numbers are based on average cohort sizes between 27 and 33 students. Our one-year job placement rate is over 90% even in this tough job market. Our employer graduate satisfaction rates are over 90%.

### Goals and Student Learning Outcomes

While in the program, students will demonstrate clinical competence by performing radiographic exams of diagnostic quality and applying patient care and practices for radiographic procedures. Students will communicate effectively by being able to clearly explain radiographic procedures to patients and often family members, effectively communicate and work with the healthcare team, and demonstrate appropriate communication for diverse populations. Students will develop critical thinking and problem-solving skills so that they can appropriately adjust procedures and critique images to determine diagnostic acceptability. Students will demonstrate the values of professional development, model professional behavior, and examine the core values and reflect on personal application. Students will also apply knowledge in interdisciplinary situations.

### Clinical Training and Essential Job Functions

We have clinical sites located in Loma Linda, Redlands, San Bernardino, Hemet, Palm Springs, Riverside, Apple Valley, Murrieta, Los Angeles, and the Imperial Valley. Students are expected to provide their own transportation during and throughout the program. Some clinical sites may involve a 60-mile drive from Loma Linda University. Students are responsible for all costs and availability of transportation. Students are assigned to their clinical site at the beginning of the program in a just and equitable way, mostly based on clinical site-student fit.

### Application Window

Applications are accepted between October 1 and April 1 with a priority deadline of February 15. There is no waiting list. There are 32 to 35 seats available.

### Interview & Application Requirements

Applicants must complete a minimum of 42 quarter units (28 semester units) with a cumulative GPA of 2.5 or higher and a prerequisite GPA of 3.0 or higher, submit official transcripts, complete eight hours of career observation, provide three references, and submit an admission essay. All elements of the application must be received by April 1 to be considered. More information is available on our website.

### Program prerequisites:

- **Freshman English:** Complete sequence in college
- **Oral Communication or Interpersonal Communication:** One quarter/semester in college
- **Medical Terminology:** One quarter/semester in college
- **Human Anatomy and Physiology:** Complete sequence, both with a lab
- **Introduction to Physics:** One quarter/semester at the college level; no lab required
- **Social Sciences:** General Psychology or General Sociology in college
- **Electives:** Students may take any non-remedial college course to reach the minimum required 42 quarter units (28 semester units). Recommended courses include: Spanish, Cultural Anthropology, Nutrition, Physical Education, and Critical Thinking. Additional courses could include: Psychology, Sociology, Chemistry, Computers, Physics, Statistics, Language, Philosophy, History, Art/Music Appreciation, Geology, Political Science, and Economics.

### Program Requirements

Applicants are required to complete a background check and possess a current Health Care Provider CPR card offered by the American Heart Association upon admission into the program. To remain in the program students must maintain a 2.5 GPA, pass three program milestones, and adhere to the program's professional code of conduct. Students at some clinical sites may need a drug test.

### Career Observation and Volunteer Service

Applicants must complete 8 hours of career observation prior to the interview. Not all applicants will receive an interview. It is recommended that the career observation still be completed in order to determine for yourself if this is the career for you. Email [studyradsci@llu.edu](mailto:studyradsci@llu.edu) for more information and to set up observation hours.

### Financial Information

Tuition and fees are subject to change each year. Students should be prepared to be responsible for all tuition fees, books, living expenses, and transportation. Financial aid is available. Loan application can begin before being accepted. For financial aid information, call 909-558-4509.

### Housing

Students under the age of 21 who are in undergraduate programs are required to live on campus unless they are married or living with their parents. A student who desires to live off campus but who does not meet the necessary qualifications must file a petition with the Dean of Student Affairs in advance of registration by calling 909-558-4510.

### Accreditation

Loma Linda University is regionally accredited by the Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities. The A.S. in Medical Radiography at Loma Linda University holds a specialty accreditation by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312-704-5300. The program is also approved by the Radiologic Health Branch (RHB) of the state of California, Department of Public Health, MS 7610, P.O. Box 997414, Sacramento, CA 95899-7414, 916-327-5106.

### Eligibility for ARRT Certification

Eligibility for the ARRT certification exam may be affected if the applicant has a prior felony or misdemeanor conviction. Prior to applying to this program, the applicant should contact the ARRT at 651-687-0048 to determine if eligibility will be granted.

### Curriculum for 2022-2023

		Units
<b>Year 1 - Fall Quarter</b>		
RTMR 202	Clinical Orientation	1
RTMR 224	Legal Issues in Radiography	1
RTMR 246	Professional Communication	2
RTMR 253	Med Radiography Procedures I	3
RTMR 253L	Med Radiography Procedures Lab I	1
RTMR 285	Principles of Radiography I	3
AHCJ 326	Fundamentals of Health Care	2
		<b>13</b>
<b>Year 1 - Winter Quarter</b>		
RTMR 221	Radiologic Patient Care	2
RTMR 254	Med. Radiography Procedures II	3
RTMR 254L	Med. Radiography Procedures Lab II	1
RTMR 284	Radiation Protection & Biology	2
RTMR 286	Principles of Radiography II	3
RTMR 371	Medical Radiography Affiliation I (2 days/week)	1
		<b>12</b>
<b>Year 1 - Spring Quarter</b>		
AHCJ 328	Wholeness Portfolio I	1
RTMR 247	Languages for Radiographers	1
RTMR 255	Med. Radiography Procedures III	2
RTMR 255L	Med. Radiography Procedures Lab III	1
RTMR 283	Radiologic Physics	3
RELT 423	Loma Linda Perspectives	2
RTMR 372	Medical Radiography Affiliation II (3 days/week)	2
		<b>12</b>
<b>Year 2 - Summer Quarter</b>		
RTMR 373	Medical Radiography Affiliation III (5 days/week)	3
		<b>3</b>
<b>Year 2 - Fall Quarter</b>		
RTMR 305	Introduction to CT I	2
RTMR 325	Radiographic Pathology	1
RELR 275	Art and Science of Whole Person Care	2
RTMR 374	Medical Radiography Affiliation IV (4 days/week)	2
		<b>7</b>
<b>Year 2 - Winter Quarter</b>		
RTMR 306	Introduction to CT II	2
RTMR 363	Comprehensive Review I	2
RTMR 375	Medical Radiography Affiliation V (3 days/week)	2
		<b>6</b>
<b>Year 2 - Spring Quarter</b>		
RTMR 344	Professional Development & Service Learn.	3
RTMR 365	Comprehensive Review II	2
RTMR 386	Medical Radiography Affiliation VI (4 days/week)	2
		<b>7</b>
<b>PROGRAM TOTAL</b>		<b>60</b>

### Program Director:

Will Edmunds, M.Ed., RT(R)  
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For more information email [studyradsci@llu.edu](mailto:studyradsci@llu.edu) or visit [www.llu.edu/radiography](http://www.llu.edu/radiography)

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LOMA LINDA  
UNIVERSITY

## LLU at a Glance

>> Founded in 1905 >> A Seventh-day Adventist institution integrating health, science, and Christian faith >> Offers over 200 programs in the health sciences >> Houses eight schools: Allied Health Professions, Behavioral Health, Dentistry, Medicine, Nursing, Pharmacy, Public Health, and Religion >> About 4,000 students >> Over 1,300 faculty >> 2,000 professional researchers >> \$46 million dollars in private and public grants generated each year >> Many service learning opportunities

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