



## University Certificate in Magnetic Resonance Imaging (MRI)

### Now That You Are A Rad Tech, Have You Considered a Career in Magnetic Resonance Imaging?

Magnetic Resonance Imaging is a medical imaging modality that produces cross-sectional images of the body using a magnetic field, thus eliminating the use of ionizing radiation. MRI provides much greater contrast between the different soft tissues of the body than Computed Tomography (CT), making it especially useful when imaging the brain, heart, soft tissue, and cancer. MRI techs prepare patients for exams, provide patient care, position patients to demonstrate the desired anatomy, determine appropriate technical parameters to accurately demonstrate anatomy and pathology, and create images to be reviewed by the Radiologist. The MRI profession requires critical thinking skills and the ability to provide diagnostic images while working with a medical team.

### Certificate in Magnetic Resonance Imaging

The MRI program can be completed in two quarters (6 months). Each 40-hour week includes one classroom day and four clinical days. It is a full-time program with no arrangements for part-time or evening status. Clinical sites are available but we cannot guarantee a clinical site or one close to where you live. Upon successful completion of the program, students are eligible to sit for the ARRT MRI board exam. The MRI program can be taken in conjunction with the CT program; the combined CT/MRI program can be completed in 12 to 15 months.

### Loma Linda University: Educating Radiology Professionals

Loma Linda University offers a number of programs in the medical imaging field. Besides MRI, we offer programs in Medical Radiography, Computed Tomography, Imaging Informatics (online), Nuclear Medicine, Cardiac Electrophysiology, Sonography, Radiation Therapy, and Dosimetry. We also offer online Bachelor's and Master's degrees in Radiation Sciences, a Bachelor's degree in Healthcare Administration, and an online Radiologist Assistant Master's degree program.

### Application Window

The application window is between January 1 and December 1 for MRI only.

The application window is between January 1 and May 1 for the combined CT/MRI program.

### 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.

### Important Program Financial Disclosures can be found at:

**MRI program:** <http://www.llu.edu/assets/alliedhealth/disclosures/mri-fa/Gedt.html>

**Combined program:** <http://www.llu.edu/assets/alliedhealth/disclosures/ct-mri/Gedt.html>

## Accrediting Associations

Loma Linda University is regionally accredited by the Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities, and the Radiologic Health Branch of the Department of Health Services.

## Program Requirements

- Current ARRT license in Radiography (R)
- Current California (CRT) license
- Current CPR Card with the American Heart Association
- A minimum GPA of 2.5 must be maintained in all didactic and clinical coursework. Students must complete all clinical requirements and class work, including assignments, quizzes, and exams to receive their certificate.
- Venipuncture is highly recommended

## Observation Experience

A minimum of twelve (12) hours of career observation in MRI is required. The Career Observation Form is available as a download from the forms page on the web site. Students interested in both the CT and MRI programs will need 12 hours of observation in each modality.

## Additional Information

Students are required to have a background check as part of the registration process.

Students are required to have up-to-date vaccinations.

Be sure your application is complete, including a statement of purpose, application fee, three recommendations and transcripts. Official transcripts must come directly from the school to our Admissions Office.

## Interviews

Interviews are conducted in January and July. Qualified applicants will be interviewed by the program director and representatives of the school of Allied Health Professions. If you reside in Southern California you should plan for a personal interview. You will be notified by phone and e-mail of your interview time and date.

The interviews are rated in the following four areas:

- a. Work experience or training background
- b. Recommendations
- c. Academic background
- d. Communication skills, knowledge, motivation, etc.

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## Selection

After applicants have been interviewed, the selection committee for the Special Imaging Program (CT/MRI) meets to make the final selections. Selections are usually decided by the end of July (for January 1-May 1 applicants) and confirmation of each decision is mailed to the respective applicant from the Office of Admissions for the School of Allied Health Professions. May 2-December applicants will be notified in January.

## Curriculum: MRI Program (6 months)

Religion (taken quarter two) 2 units

### Spring or Fall Quarter

RTSI 367 Cross-sectional Anatomy 2 units

RTSI 361 MRI Physics I 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

Total 14 units

### Summer or Winter Quarter

RTSI 362 MRI Physics II 2 units

RTSI 365 MRI Procedures and Patient Care 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

Total 14 units

## Combined CT and MRI programs (12 months)

Religion (taken quarter two) 2 units

### Autumn Quarter

RTSI 369 CT Physics 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

RTSI 367 Cross-sectional Anatomy 2 units

Total 14 units

### Winter Quarter

RTSI 364 CT Procedures and Patient Care 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

Total 12 units

### Spring Quarter

RTSI 361 MRI Physics I 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

Total 12 units

### Summer Quarter

RTSI 362 MRI Physics II 2 units

RTSI 365 MRI Procedures and Patient Care 2 units

RTSI 971 Special Imaging Affiliation\* 10 units

Total 14 units

\*only charged 2 units for RTSI 971

## Contact Information

Program Director

Kate Cockrill

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For additional questions, email [studyradsci@llu.edu](mailto:studyradsci@llu.edu) or visit [www.llu.edu/specialimaging](http://www.llu.edu/specialimaging)



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## 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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