

Pacific Union College

Pre-Medical Radiography for Admission to Loma Linda University

INFORMATION ABOUT THIS DEGREE

General Areas of Service:

The medical radiographer, or radiologic technologist, is responsible for the accurate demonstration of body structures, on a radiograph or other image receptor. The technologist determines proper exposure factors, manipulates medical imaging equipment, evaluates the radiographic image for quality, and provides for patient protection and comfort.

The medical radiographer frequently assists the physician team member in specialized procedures. These often require the administration of chemical mixtures to the patient for enhanced viewing of the function of body systems.

Professional Training:

The A.S. program in medical radiography prepares the student to take the certification examinations necessary to become a radiologic technologist. Advanced training is needed if one wants to prepare for administration, clinical practice, education, or health physics. A B.S. program is offered at Loma Linda University in addition to the A.S. program. If the student is intending to proceed to a B.S. degree, he may spend a second year at PUC completing all the general education requirements for this degree before going to LLU for professional training to complete the A.S. and/or B.S. degrees.

Job Outlook:

Favorable opportunities for both full and part-time work are anticipated through the 2000's.

Earnings:

The starting average wage scale is approximately \$23,000 - \$30,000.

For More Information

Department of Radiation Technology
School of Allied Health Professions
Loma Linda University
Loma Linda, CA 92350
(909) 824-4931 or (800) 422-4558

American Society of Radiologic Technologists
15000 Central Avenue, SE
Albuquerque, NM 87123 Phone (505) 298-4500

The American Registry of Radiologic Technologists
1255 Northland Drive, Mendota Heights, MN 55120
Phone (612) 687-004

COURSES REQUIRED FOR ADMISSION

(Admission Requirements for 2006-07 Academic year)

Pre-Medical Radiography for Admission to the A.S. Degree Program of Loma Linda University:

42 hours distributed as follows:

Communication

COMM 105	Speech Communication	3
CPTR 105	Introduction to Computers	3
ENGL 101-2	College English	4-4

Natural Sciences and Mathematics

BIOL 101	Human Anatomy	5
BIOL 102	Human Physiology	5
BIOL 223	Medical Terminology	1
MATH 096	Intermediate Algebra (<i>if needed</i>)(4)	
<i>(or high school equivalent. MATH 096 will not count toward the 43 hours needed for admission.)</i>		
PHYS 105	Intro to Physics(or high school)	5
PHYS 106L	Intro to Physics Lab	1

Social Science

PSYC 121	General Psychology	4
<i>(or SOCI 121 Intro to Sociology)</i>		

Religion

4

Electives

To meet minimum of 41 quarter units entry requirement.

Recommended Course

ART 241	Photography I	3
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Observation Experience:

Twelve hours in a radiology department of a hospital or clinic is required (as a volunteer or employee).

Certificate Programs:

For graduates of the A.S. degree program, four certificate programs are available: Medical Sonography, Nuclear Medicine, Special Imaging, and Radiation Therapy.

The applicant is advised to contact the chair of the LLU Department of Radiation Technology early in the fall quarter of the freshman year.

B. S. DEGREE IN RADIATION TECHNOLOGY

A B.S. degree program in Radiation Technology is available for students wishing to continue studies beyond the associate degree. This program emphasizes more advanced areas of radiologic technology.

Emphases available are administration, clinical practice, education, and science.

The following additional general education requirements apply to the B.S. degree:

Spiritual and Cultural Heritage (*Minimum, 28 qtr hrs*)

Religion (*Minimum, 8 quarter hours or 4 hours per year of attendance at a Seventh-day Adventist college*)

Cultural Heritage (*Minimum, 20 quarter hours or 24 hours if the number of hours in religion is only 4*)

Select the remaining 12-20 hours from the following:

Art, music, (a maximum of 2 hours of applied art and music may apply) literature, philosophy, civilization/history, and foreign language

The following courses are recommended:

ART 105	History of Western Art (4)
ENGL 301	Great Books (4)
ENGL 330	Literature for Children (4)
ENGL 331	Literature for Adolescents (4)
HIST 101-102	History of World Civilizations (4-4)
HIST 134-135	History of the United States (4-4)
MUHL 105	Survey of Music (3)
PHIL 101	Introduction to Philosophy (4)
Any foreign language	

Natural Sciences and Mathematics

BIOL 101	Human Anatomy (5)
BIOL 102	Human Physiology (5)
BIOL 223	Medical Terminology (1)
MATH 096	Intermediate Algebra (<i>if needed</i>) (4) <i>(or high school equivalent. Math 096 will not count toward the 43 hours needed for admission.)</i>
PHYS105-6L	Intro to Physics and Lab (6) <i>or CHEM 101 Introductory Chemistry (4) Or high school equivalent of both</i>

Social Sciences

 (*Minimum, 12 quarter hours*)

Required:

ANTH 124	Cultural Anthropology (4) <i>(or SOCI 35 "Racial" and Ethnic Relations)</i>
PSYC 121	General Psychology (4)

Select 4 additional hours from the following areas:

Economics, geography, political science, psychology, and sociology.

The following courses are recommended:

ANTH 124	Cultural Anthropology (4)
ECON 261, 265	Prin. of Economics (4, 4)
GEOG 210	World Regional Geography (3)
PLSC 124	Intro to American Government (3)
PSYC 121	General Psychology (4)
PSYC 225	Personal Behavior Modification (2)
PSYC 234	Human Development (4)
SOCI 121	Introduction to Sociology (4)
SOCI 214	The Family (4)

Communication Skills (*Same as for A.S. Degree*)

Health and Wellness

Select at least one course from the following:

FDNT 235	Nutrition (3)
HLED 162	Fitness for Life (2)
HLED 166	Health Education (2)
HLED 169	Current Health Concerns (2)
A minimum of two exercise science activity courses	

SAMPLE ONE-YEAR PROGRAM

This sample curriculum is designed to show you how a program may be constructed and to help you select a proper sequence of courses in the major. It is not likely that these courses can always be taken in the order given. Your advisor will help you design a personalized program of studies.

First Year	A	W	S
College English	-	4	4
Anatomy and Physiology	5	5	-
Intro to Physics	-	-	5
Intro to Physics Lab	-	-	1
Speech Communication	3	-	-
Intermediate Algebra*	(4)	-	-
General Psc or Intro Soci	4	-	-
Intro to Computers	-	-	3
Photography-Black & White**	-	3	-
Religion	-	2	2
Exercise Science	1	-	-
Elective	1	-	-
Medical Terminology	<u>1</u>	<u>-</u>	<u>-</u>
	14	14	15

Second Year and a Half

(at Loma Linda University)

Note:

*See mathematics requirement . MATH 096 does not count toward the 43 hours.

**Photography course is recommended.

Courses with a grade of C- or lower will not transfer to Loma Linda University.

The Medical Radiography program begins in September.

Visit PUC's Web site: <http://www.puc.edu>