



## Bachelor of Science in Radiation Therapy

**NOTE: There are 2 tracks for the Radiation Therapy BS program. See 'PROGRAM' section below for descriptions.**

### *Profession*

Radiation therapy is a multifaceted career that combines working in a highly technical environment with the opportunity to work closely with patients and members of many other professions to provide a high standard of clinical care. Radiation therapy is the therapeutic application of ionizing radiation to malignant and benign conditions. The therapist is responsible for delivering the treatment, which is prescribed by a radiation oncologist; maintaining accurate treatment records; and implementing quality-assurance plans. A radiation therapist must be detail oriented; able to work accurately under pressure; and most important, able to interact empathically with patients. Individuals who show initiative and are capable of critical thinking and problem solving make good radiation therapists.

### *Program*

The Bachelors of Science degree in Radiation Therapy is a full time program. There are two tracks: The ARRT track-intended radiographers who seek additional specialization and who have completed and passed the ARRT boards in Medical Radiography. The non-ARRT track-open to individuals who hold an associate degree (or equivalent units) and who have met all of the pre-requisite and general education courses.

### *Program Website*

<https://alliedhealth.llu.edu/academics/radiation-technology/degree-options-radiation-technology/bachelor-science-radiation-therapy?rsource=www.llu.edu/radiationtherapy>

### *Program Length*

**ARRT track** = 21 months (7 quarters) with a fall quarter start  
**Non ARRT track** = 24 months (8 quarters) with a summer quarter start

### *Possible Careers*

Radiation Therapist

### *Application Deadlines*

October 1st – April 1st

### *Admission Requirements*

**ARRT track** – be an ARRT registered radiographer (two year minimum degree)  
**Non ARRT** – have an Associate Degree or equivalent, plus pre-requisite and general education courses

### *Discipline Accrediting Agency*

Loma Linda University is regionally accredited by the Western Association of Schools and Colleges (WASC), 985 Atlantic Avenue, Suite 100, Alameda, CA 94501; telephone: (510) 748-9001. Accredited through fall 2030.

The Bachelor of Science Radiation Therapy program is accredited by the JRCERT (Joint Review Committee on Education in Radiologic Technology), 20 N Wacker Drive, Suite 2850, Chicago, IL 60606; telephone (312) 704-5300; fax (312) 704-5304; Website: [www.jrcert.org](http://www.jrcert.org) Email: [mail@jrcert.org](mailto:mail@jrcert.org). Accredited through fall 2025, interim report due fall 2021.

### *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.

## PREREQUISITE COURSES

**NOTE:** All pre-requisite course must be completed at an accredited college or university prior to entering the program.

- Human anatomy and physiology with laboratory, complete sequence
- College algebra (within 5 years)
- General or developmental psychology
- Medical Terminology
- Radiation physics, radiation protection, principles of radiography, and patient-care methods (available in the summer professional program for those who do not have it)

### General Education:

**Humanities** – 20 units' minimum (choose minimum of three areas from: history, literature, philosophy, foreign language, art/music appreciation/history). Included in this minimum, 4 units of religion per year of attendance at a Seventh-day Adventist college or university. Eight units of religion are included in the B.S. degree core as a co-requisite. A total of 28 quarter units are required to fulfill this area.

**Natural Sciences** – The study of natural sciences must include a minimum of 12 units. The units in natural sciences must be selected from two of the following content areas: biology, chemistry, geology, mathematics, physics, and statistics. Required: College algebra (taken within 3 years), Human Anatomy and Physiology with a lab (a 2-course sequence in Anatomy and Physiology, with labs is acceptable).

**Social Science** – must have a total of 12 quarter units of social science, General psychology or developmental psychology is required. Select additional units from: economics, geography, political science, psychology, sociology, or anthropology.

**Communication** – English composition, complete sequence, and oral communication/public speaking are required. A minimum of 9 units are needed to complete this area.

**Health and Wellness** – Personal health or nutrition and two physical activity courses are required to meet the minimum of 3 quarter units.

**Electives** – may be needed to meet the minimum requirements of 192 quarter units (34-36 quarter units).

**Diversity Requirement** - The diversity requirement is fulfilled in the BSRS portfolio core courses: AHCJ 493 Senior Portfolio I and AHCJ 494 Senior Portfolio II (this was approved by the University GE committee for the BSRS and BSNM programs).

## Estimated Cost of Attendance for Academic Year 2021-2022

<b>ARRT</b>	<b>Year 1</b>	<b>Year 2</b>
Tuition	\$25,080	\$27,720
Fees	\$ 2,772	\$ 3,696
Books & Supplies	\$ 1,100	\$ 1,095
Instruments	—	—
Misc. (e.g., Boards, Licensing exam, Uniforms)	—	—
<b>Total</b>	<b>\$28,952</b>	<b>\$32,511</b>

<b>Non-ARRT</b>	<b>Year 1</b>	<b>Year 2</b>
Tuition	\$34,320	\$27,720
Fees	\$ 3,696	\$ 3,696
Books & Supplies	\$ 2,250	\$ 1,095
Instruments	—	—
Misc. (e.g., Boards, Licensing exam, Uniforms)	—	—
<b>Total</b>	<b>\$40,266</b>	<b>\$32,511</b>

### Notes

Expected costs for the 2021-2022 academic year are based on full time attendance. From year to year, increases are anticipated consistent with inflation in the professional education sector.

### Estimated Living Expenses

<b>ARRT:</b>	<b>Year 1</b>	<b>Year 2</b>
Months enrolled	9	12
Room & Board	\$13,275	\$17,700
Transportation	\$ 2,880	\$ 3,840
Personal Expenses	\$ 2,250	\$ 3,000

<b>Non-ARRT:</b>	<b>Year 1</b>	<b>Year 2</b>
Months enrolled	12	12
Room & Board	\$17,700	\$17,700
Transportation	\$ 3,840	\$ 3,840
Personal Expenses	\$ 3,000	\$ 3,000

### Contact Information Program Director

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### Clinical Coordinator

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For more information e-mail [studyradsci@llu.edu](mailto:studyradsci@llu.edu) or visit [www.llu.edu/radiationtherapy](http://www.llu.edu/radiationtherapy)

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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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