



Bachelor of Science in Radiation Sciences (Online)

You may be closer than you think!

Loma Linda University's Bachelor of Science in Radiation Sciences post-professional program is unique by offering a flexible learning program at a competitive tuition rate and allowing students to choose a variety of scheduling options for the busy working professional. The average part-time student can complete their degree in 1-2 years depending on transfer credits upon completion of their entry-level imaging program. Frequently, students are closer than they think in completing their bachelor's degree.

Career Possibilities with your degree:

Sciences, BS, (BSRS) degree provides imaging professionals with the foundational education necessary to advance into various career possibilities including:

- Advanced imaging modalities such as CT, MRI, and cardiac and vascular imaging
- Graduate degree programs such as a master's degree in management, education, physician assistant, radiologist assistant, or even a clinical master's degree and doctoral degree programs to include medical school
- Professional advancement into entry management, education, and informatics (PACS) positions
- Many more possibilities also exist in the imaging or public health professions

Students can customize their degree by choosing an area of emphasis in which to focus their studies on individual goals.

BSRS Areas of Emphasis:

- Administration & Education (1 year, 25 units - online)
- Imaging Informatics (1 year, 25 units - online)
- Special Imaging: CT and/or MRI (12-24 units)
- Special Imaging: CI and/or VI (23-41 units)
- Science: General, PA, and Medical School (15-20 units selected from the natural sciences in the areas of biology, microbiology, chemistry, math, statistics, or physics)

Program Objectives:

1. Graduate managers and educators who contribute to the imaging disciplines through service and leadership
2. Graduate leaders who advocate for excellence in patient care

Financial Information:

Tuition and fees are subject to change each year. Please review LLU's Find a Program website [page](#) for the most up-to-date information on the cost of attendance. Students are 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 or e-mail finaid@llu.edu.

Program Student Learning Outcomes:

Upon completion of the program, the graduate should be qualified to:

1. Develop meaningful interactions in healthcare
2. Demonstrate moral leadership
3. Discuss healthcare advancement and sustainability
4. Apply emotional intelligence and leadership skills
5. Integrate concepts from chosen area of emphasis

Components of the BSRS Program:

- Loma Linda University's general studies requirements (general education) for baccalaureate degrees (contact the program director for guidance)
- Professional core (a student's entry-level imaging degree, such as in medical radiography or ultrasound, completed prior to program entry)
- BSRS program core (required for all students to take): 1 year part-time
- BSRS program emphasis (customized focus of the degree): 1 year part-time
- BSRS program portfolio (part of the core curriculum, students will be required to complete an ePortfolio comprised of academic and professional work, a capstone project, and 40 hours of service learning)

Admission Requirements:

Applicants may enter the BSRS program at any quarter. Applications are accepted year-round. Contact the program director for advisement. Admission is based on a selective process. In addition to Loma Linda University and School of Allied Health Professions' admissions requirements, the applicant must have the following:

- An associate degree (or a minimum of 72-96 transferable units, per the program director's approval)
- Hold a license from the American Registry of Radiologic Technologists (ARRT), American Registry for Diagnostic Medical Sonography (AB, BR, FE, OB/GYN, PS, AE, PT, and/or VT), or an equivalent specialty certification. Applicants who are eligible to take the ARRT or ARDMS examination for certification but who have not had the opportunity to do so are given provisional status for one quarter. Eligibility to continue is subject to the student obtaining certification. It should be understood that the University will not sign or validate registry documents of students who obtained their training in another program.
- A minimum cumulative grade point average of 2.5 (science and non-science subjects are computed separately)

Students are advised to apply six months prior to the quarter of entry and to contact the program director prior to applying to discuss requirements and establish an academic learning plan.

Curriculum (AY 2022-2023)

I. General Education, Prerequisite, and Transfer Work:

A maximum of 70 semester or 105 quarter units (didactic only) from a regionally accredited junior/community college will be accepted as transfer credit. Students who have completed a hospital training program are allowed up to 50 junior/community college-level quarter units of academic credit on the basis of their registry certificate. Students should fall within 12 quarter units of completion of general education (GE) requirements in order to be considered for the Bachelor of Science in Radiation Sciences' core program OR have developed an academic plan with the program director. For a complete listing of general education requirements, see LLU [General Education Requirements](#). The following is a list of specific requirements and the general education domain to which they apply:

Domain 1: Religion (completed in the program)

Domain 2: Arts & Humanities (minimum of 16 quarter or 11 semester units in 3 different content areas selected from civilization/history, art/music, literature, language, philosophy, religion, or general humanities)

Domain 3: Scientific Inquiry & Quantitative Reasoning (minimum of 12 quarter or 8 semester units with at least one course in college algebra or statistics and one course that includes a lab—additional units may be selected from biology, chemistry, geology, mathematics or physics)

Domain 4: Social Sciences (minimum of 12 quarter or 8 semester units in 2 different content areas selected from anthropology, economics, geography, political science, psychology, or sociology—cultural diversity requirement met in program)

Domain 5: Written & Oral Communication (minimum of 9 quarter or 6 semester units with a complete English sequence required—additional units, if needed, may be selected from computer information systems, critical thinking, or public speaking/communication)

Domain 6: Health & Wellness (minimum of 2 quarter or 1 semester unit(s) with 1 course in health or nutrition required and 2 PE courses totaling a minimum of 1 quarter unit required)

To meet the minimum requirement of 192 quarter units required for matriculation, electives from the aforementioned domains or B.S. degree didactic emphasis may be selected. For more information regarding GE requirements for graduation, see LLU [General Education Requirements](#).

Contact Information:

Program Director: Brigit Mendoza E-mail: studyradsci@llu.edu
Office: (909) 558-4931

For more information e-mail studyradsci@llu.edu or visit www.llu.edu/bsrs.

II. Program Core (39 units):

RTCH 491 Senior Portfolio I	3 units
RTCH 387 Writing for Health-Care Professionals	3 units
AHCJ 318 Emotional Intelligence & Leadership for HC Prof.	3 units
RTCH 489 Effective Communication for Supervisors	3 units
RTCH 467 Management of a Radiologic Service	3 units
RTCH 385 Radiologic Trends in Health-Care	2 units
AHRM 475 Health-Care Research and Statistics	4 units
RTCH 464 Moral Leadership	3 units
RTCH 485 Digital Management in Radiology	3 units
RTCH 492 Senior Portfolio II	3 units
RELRL 409 Christian Perspectives on Death and Dying	3 units
RELT 406 Adventist beliefs and Life	3 units
RELE 456 Personal and Professional Ethics	3 units
Area of emphasis	12-41 units
Electives	0-34 units
Total units	50-96 units

III. Area of Emphasis:

You may choose one of the following for your area of emphasis (all emphases start in the Fall term):

Administration & Education (24 Units)

RTSI 344 Pharmacology for Imaging Professionals	4 units
RTED 475 Curriculum Development for the Rad Sci	3 units
RTED 476 Adult Learning Theory for the Rad Sci Student	3 units
HCBL 434 HC Financial Management	3 units
RTED 477 Learning Activities & Assessment for the Rad Sci	3 units
HCBL 346 Legal and Ethical Environment in HC	3 units
HLIN 430 Quality Mgmt. & Performance Improvement	3 units
RTCH 414 Practicum in Rad Sci	3 units

Imaging Informatics (PACS Administration) (24 units)

RTII 368 Intro to Imaging Informatics	3 units
RTED 475 Curriculum Development for the Rad Sci	3 units
RTII 356 Information Technology	3 units
RTII 358 PACS Planning & Implementation	3 units
RTII 378 Systems Management	3 units
HCBL 346 Legal and Ethical Environment in HC	3 units
HLIN 430 Quality Mgmt. & Performance Improvement	3 units
RTII 384 Advanced Imaging Informatics	1 unit
RTII 386 Certification Exam Review	2 units
RTSI 344 Pharmacology for Imaging Professionals	4 units

Special Imaging (12-53 units)

CT (12 units) and/or MRI (14 units): see CT/MRI certificate brochure. CI (28 units) and/or VI (23 units): see CVI brochure.

*Clinical affiliation courses vary between certificate and bachelor's programs.

Science (15-20 units)

Select 15-20 quarter units from the natural sciences in the areas of biology, microbiology, chemistry, math, or physics. Courses must be taken from two different content areas with the approval of the program director. These courses are taken at a local college/university. A minimum grade of C+ (2.3) is required for all courses. Introductory sequences are not accepted.

Professional Courses (up to 55 units)

Didactic (not including clinical units) coursework from a clinical-based imaging specialty (i.e., diagnostic sonography, cardiac sonography, nuclear medicine, special imaging, radiation therapy, and cardiovascular imaging) can be applied to the total units required to complete the BSRS program.

Updated 01/25/2024



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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