

Respiratory Care



Master of Science in Respiratory Care

The Loma Linda University Master of Science in Respiratory Care prepares health professionals to be leaders with specific skills in educational, research, clinical, and leadership principles.

Philosophy

The respiratory care practitioner specializes in planning, providing, directing, and evaluating cardiopulmonary care for individuals or groups in a variety of settings. Through assessment, treatment, life support applications, and education, the respiratory care practitioner is committed to the prevention of cardiopulmonary illness and promotion of health.

The MSRC Program provides an avenue for continuing personal and professional development in the field of respiratory care and cardiopulmonary sciences. The Program is designed to produce competent, self-directed advanced respiratory care practitioners who will assume leadership roles in the profession at the level of management, education, and research.

The MSRC Program is conducted using the philosophy of education based on two primary rationales: 1) the understanding that teaching is a cooperative art, and 2) the recognition that genuine learning is a development of the mind, not a formation of memories, and as an acquisition of knowledge and understanding, not an adoption of indoctrinated opinions. A cooperative art is one in which productive activity is principal and sole efficient cause of results achieved.

Program Description

The 4-quarter MSRC Program is designed to allow customizable options for interactions with the program faculty both face-to-face and on-line offered through two tracks:

1. Track I – Professional focus.

Students receive and develop didactic and clinical knowledge to advance their expertise in areas of education, research, leadership, clinical performance, industry, and management in the cardiopulmonary sciences from an evidence-based perspective. Courses combine discussion, projects, case studies, service activities and Web-enhanced learning. An optional advanced practice clinical practicum of two quarters is also provided that requires the consent of the program director, department chair, and the medical director—along with the approval and acceptance of a physician preceptor agreement form on file.

2. Track II – Research focus

Students receive and develop didactic and research knowledge to advance their expertise in areas of education, research, leadership, project management, and industry in the cardiopulmonary sciences from an evidence-based, innovation perspective. Courses combine discussion, bench research, projects, case studies, service activities and Web-based learning. An advanced research practicum is included that requires the development and execution of an innovative biomedical project related to cardiopulmonary science. Arrangements will be made for distance education students in regard to distance mentorship.

The online program students will be required to schedule an online orientation one week prior to the beginning of their courses. All students must have a detailed discussion with the program director to begin to outline capstone projects.

Admission Requirements

Track I – Professional Focus

1. The applicant should have a minimum of a baccalaureate degree from an accredited or recognized institution of higher education by Loma Linda University.
2. In addition, the applicant is required to have earned the Registered Respiratory Therapist credential from the National Board for Respiratory Care, and licensed in their state of residence or eligible to practice by the government or equivalent.
3. Interview, references, essay.
4. Regardless of nationality or citizenship, an applicant whose native language is not English or whose secondary education has been given outside the U.S. is required to pass a test of English proficiency.

Track II –Research Focus

1. The applicant should have a minimum of a baccalaureate of science degree from an accredited or recognized institution of higher education by Loma Linda University.
 - a. **Prerequisite course work:**
 - i. 1 course of each: Anatomy, Physiology, Microbiology
 - ii. 12 quarter units of Biology: General and/or human
 - iii. 16 quarter units of Chemistry: General Inorganic, Organic, and/or Biochemistry
2. Interview, references, essay.
3. Regardless of nationality or citizenship, an applicant whose native language is not English or whose secondary education has been given outside the U.S. is required to pass a test of English proficiency.

Technical Requirements

Student must be able to have consistent access and knowledge of how to use the following:

1. Personal computer
2. Microsoft Office programs (Word, PowerPoint, Excel, etc)
3. Internet
4. Video conferencing (Skype, FaceTime, Zoom, etc.)

Community Service Requirement

Sharing knowledge and volunteering at the community level allows the MSRC student to develop the skill of translating difficult concepts into useful information to the public. It also develops a greater appreciation for others that may offer different insights or experiences to learn from. In addition to community service that may be part of the Graduate Wholeness Portfolio (AHCJ 519) requirement, each student will be expected to complete 6 hours of a community project or community service

per quarter for a total of 24 hours. The program director must approve all community service projects before commencement of the activity. Each activity should include a mechanism by which the MSRC student is utilizing his or her professional skill/experience to educate or provide a service to their community of choice. Community service activity will be integrated into service-based learning modules during course work as well.

Capstone Requirement

Capstone project must be completed as a written document and presented orally as a seminar. It must be publishable quality and be pushed toward publication. Note that capstone courses may be completed prior to capstone project completion. However, capstone projects must be completed to graduate and publishable standards before gradation will be granted.

Program Objectives

1. Graduate competent, advanced practitioners who perform procedures and clinical activities of the profession.
2. Graduate leaders who engage in activities that advance the profession through basic and clinical research.
3. Graduate practitioners who will impact health-care delivery by representing leadership and excellence in the clinical setting.
4. Graduate professionals who maintain and improve upon recognized educational standards of the profession.
5. Graduate professionals who employ proper ethics within the profession.
6. Graduate individuals who are able to interpret basic and applied scientific knowledge and translate that information to the clinical arena.
7. Graduate innovative researchers who are able to develop novel, important hypotheses and execute experiments to explore such hypotheses

How to apply

Applications are accepted from December 1 to August 15 of each year for Fall acceptance. Apply online at www.llu.edu. Bulletins may be viewed on our web site.

Contact Information

Program Director

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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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