



LOMA LINDA
UNIVERSITY

Respiratory Care



Advanced Practitioner in Respiratory Care Post-Professional Bachelor of Science Degree Program (online)

Advances in respiratory medicine, technology, and changes in healthcare have created a need for better educated respiratory care practitioners with diverse abilities. Job analysis research by the National Board for Respiratory Care reveals that employers now expect higher skill levels from respiratory education program graduates.

The post-professional Bachelor of Science in respiratory care seeks to graduate individuals with advanced knowledge and skills in the respiratory care profession including assessment, therapeutic interventions and management of patients with cardiopulmonary related disorders. This one year full-time program combines classroom learning with advanced specialty clinical experiences to achieve this goal.

Our Bachelor of Science degree respiratory care faculty have advanced degrees in education and the sciences, and are the leaders in their areas of specialty. Most of our faculty has written chapters and/or authored textbooks in respiratory care.

Program Highlights

- ◆ Advanced knowledge and clinical skills to meet the demands requested of today's respiratory care practitioners.
- ◆ Graduates of two year advanced practitioner programs receive an opportunity to enhance and broaden their knowledge in the cardiopulmonary sciences.
- ◆ Development of communication skills as a member of the interdisciplinary healthcare team, in patient education, and in community health and wellness.
- ◆ A strong foundation for graduate work in medicine, dentistry, physician assistant, and other programs in public health, science, education, or management.
- ◆ Advanced clinical experience in specialty areas of cardiopulmonary care.
- ◆ Fundamental skills to conduct and interpret research in the healthcare arena.
- ◆ Development of fundamental skills in leadership.

Program Objectives

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

1. Apply fundamental and advanced adult, pediatric, and neonatal respiratory care concepts and treatment plans in the area of pathophysiology, diagnostics and advanced interventions, gas exchange therapy, medical gas therapy, airway care, and ventilatory support systems (invasive and non-invasive).
2. Apply problem-solving skills in the areas of advanced pulmonary physiology, related diagnostics, and comprehensive pulmonary rehabilitation programs.
3. Perform fundamental and advanced patient assessment and diagnostic skills for various cardiopulmonary diseases.
4. Develop fundamental skills to conduct and interpret research in the healthcare arena.
5. Develop fundamental skills in leadership.
6. Develop fundamental skills in topic presentation to the healthcare profession and patient care community using appropriate lecture and demonstration techniques.
7. Develop advanced practitioner competency in specialty cardiopulmonary care areas of the student's choice (subject to availability).
8. Enter graduate-level programs.

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Entry/Program Requirements

- ◆ Successful completion of a COARC approved or provisionally approved advanced practitioner respiratory therapy associate degree (or the equivalent) program.
- ◆ Human anatomy and physiology with laboratory; or general biology with laboratory; or general zoology with laboratory; complete sequences.
- ◆ Introductory chemistry with laboratory, or general chemistry with laboratory.
- ◆ Microbiology with laboratory.
- ◆ High school level physics, one quarter or semester of introductory level physics, or respiratory physics
- ◆ General psychology or sociology.
- ◆ A course on cultural diversity (cultural anthropology).
- ◆ 12 quarter units (8 semester units) in the social sciences (anthropology, sociology, geography, etc.)
- ◆ 20-quarter units (13 semester units) in cultural heritage (art, music, philosophy, literature, history, foreign language, etc.)
- ◆ Mathematics. 2-years of high-school mathematics selected from: algebra I (elementary algebra), algebra II (intermediate), or geometry with a grade of C (2.0) or better.
- ◆ Freshman English, complete sequence.
- ◆ Speech.
- ◆ Two physical education activities or courses.
- ◆ One course in personal health or nutrition.
- ◆ Statistics (suggested)
- ◆ Research Methods (suggested)

Loma Linda University will transfer up to a maximum of 50-quarter units to cover the respiratory care professional coursework, and up to a total of 105 quarter units (70 semester units) from accredited two-year colleges. All transferable course work from a four-year college or university is accepted at Loma Linda University. No coursework with a grade of C- or below will be accepted.

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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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