



2016 – 2017
Career Technical Programs

Health Professions Division
541.463.5617

lanecc.edu

Respiratory Care

Associate of Applied Science Degree

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Purpose To prepare graduates to demonstrate competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

Learning Outcomes

- Competently perform all respiratory care diagnostic and therapeutic procedures required of a respiratory therapist entering the profession including but not limited to the following basic competencies:
 - acquiring and evaluating clinical data.
 - assessing the cardiopulmonary status of patients.
 - performing and assisting in the performance of prescribed diagnostic studies such as : obtaining blood samples, blood gas analysis, pulmonary function testing, and polysomnography.
 - evaluating data to assess the appropriateness of prescribed respiratory care.
 - establishing therapeutic goals for patients with cardiopulmonary disease.
 - participating in the development and modification of respiratory care plans.
 - apply clinical decision skills to case management of patients with cardiopulmonary and related diseases.
 - initiating prescribed respiratory care treatments, managing life support activities, evaluating and monitoring patient responses to such therapy and modifying the prescribed therapy to achieve the desired therapeutic objectives.
 - initiating and conducting prescribed pulmonary rehabilitation.
 - providing patient, family, and community education.
 - promoting cardiopulmonary wellness, disease prevention, and disease management.
 - promoting evidence based practice by using established clinical practice guidelines and by evaluating published research for its relevance to patient care.
- provide age-specific treatment, management, control, and care of patients with deficiencies and abnormalities associated with respiration.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- formulate questions that can be addressed with data, and collect, organize and present relevant data to answer them.
- apply problem solving strategies in the patient care setting.
- work collaboratively within inter-professional teams, and effectively communicate with diverse populations.
- apply ethical decision making and demonstrate appropriate academic and professional conduct.

Accreditation Respiratory Care, accredited by the Commission on Accreditation for Respiratory Care, coarc.com.

Licensing & Certification Graduates are eligible to take national credentialing exams to earn the entry-level credential of Certified Respiratory Therapist (CRT) and advanced-level credential of Registered Respiratory Therapist (RRT). National credentials are issued by the National Board for Respiratory Care 913.599.4200, nbrc.org). The CRT credential qualifies the graduate for state licensure

as a Licensed Respiratory Care Practitioner (Oregon State Respiratory Care Practitioner License Oregon Health Licensing Office, 503.378.8667, oregon.gov/OHLA/RTPT/pages/index.aspx).

Admission Information The Respiratory Care Program blends on-line and on-campus learning activities. An applicant must complete a Respiratory Care Program application. The application information packet, submission timeline, and first-day enrollment requirements are found on the program web page, lanecc.edu/hp/rc

Advising & Counseling For assistance in meeting program or application requirements, please go to Counseling and Advising in Building 1, Room 103, or e-mail RCProgram@lanecc.edu. Registration in on-line (Moodle) Academic Advising for Respiratory Care is highly recommended. Drop-in advising is available in Building 1, Room 103.

Cooperative Education (Co-op) Respiratory care students earn college credit for participation in job-related activities in respiratory care professional settings under direct supervision. Through required Respiratory Care Clinical Practice Co-op courses, enrolled students develop skills, connect classroom theory with practice, expand career knowledge, and make contacts for potential future employment in respiratory care. Paid or unpaid internships may also be available as an elective co-op education course. Contact Norma Driscoll, Respiratory Care Co-op Coordinator, Bldg. 30, Rm. 210, 541.463.3176, driscolln@lanecc.edu for additional information.

Job Openings Projected through 2020

Lane County openings 4 annually

Statewide openings 33 annually

Wages

Oregon average hourly \$30.16; average annual \$62,738

Lane County average hourly \$29.32; average annual \$60,979

Costs (estimate based on 2015-16 tuition and fees. Consult Lane's website for updated tuition.)

Books	\$1,600
Computers/Internet Service	\$1,200
Differential Fees*	\$1,353
Instruments/Tools	\$150
Program Specific Fees	\$1,313
Program Specific Fees	\$362
Resident Tuition and General Student Fees	\$11,412
Uniforms	\$180

Total Estimated Cost \$17,570

*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Respiratory Care

Program costs include college tuition and associated fees, plus additional costs necessary to meet program and clinical affiliate requirements. These costs will vary based on student's personal circumstances. Requirements include:

1. Evidence of a physical examination (within the previous nine months)
2. CPR Certification for Health Care Professionals 2-year certification preferred
3. Physical Exam
4. Proof of required immunizations
5. Criminal background check / drug screen
6. Health insurance is required by the program and can be obtained through a variety of health insurance providers.
7. Costs incurred while in the program related to transportation and childcare, post-graduate credentialing, and state licensure are not included in this estimate. Costs related to completion of program course pre-requisites, travel to, and parking at, clinical affiliates varies with assignment and are not included in this estimate. Licensure and post-graduate credentialing can cost \$730 depending on the level of credentialing and state licensure fees.

Course Requirements

1. Prerequisites are required for some courses. See course descriptions.
2. Human Relations and Health/PE choices are listed on the Associate of Applied Science degree page.
3. To enroll in RT 112, RT 114, or RT 146, a student must be accepted into the Respiratory Care program.
4. Clinical courses (RT 146, RT 280A, RT 280B, RT 280C, RT 280D, RT 270) are available Pass/No Pass only. All other courses must be completed with a letter grade, not P/NP, to meet program requirements.

The most current information regarding the curriculum, program prerequisites, admission standards and procedures is available at lanecc.edu/hp/rc. The Respiratory Care Program curriculum is currently being reviewed and may be revised. Updates or changes to curriculum, prerequisites, or admission standards and procedures will be posted to program web page.

Prerequisite Courses for Program Application In order to apply for fall entry all applicants must complete the following minimum prerequisites as indicated below. Other specialized program requirements will be described in acceptance materials.

1. MTH 095 Intermediate Algebra (5 credits), or higher (4 or more credits) graded C- or better.
2. CH 112 Chemistry for Health Occupations* and BI 112 Cell Biology for Health Occupations* (4 credits each), or 100-level or higher college chemistry course (5 credits or more) pass/no pass option okay, or grade equal to C- or better
3. BI 231 Human Anatomy and Physiology 1 (4 credits) Graded 'C-' or better
4. HO 100 Medical Terminology 1 (3 credits) pass/no pass option okay, or grade equal to C- or better
5. WR 121 or WR 121_H Introduction to Academic Writing* (4 credits) pass/no pass option okay, or grade equal to C- or better

Prerequisite Courses for Program Entrance The following first day enrollment requirements must be completed, and approved documentation submitted, prior to enrolling in fall term program course. For more information, see lanecc.edu/hp/rc.

- BI 232 Human Anatomy and Physiology 2 (4 credits) (Graded 'C-' or better)
- BI 233 Human Anatomy and Physiology 3 (4 credits)(Graded 'C-' or better)
- HO 220 Legal and Ethical Aspects of Healthcare

Other specialized pre-program enrollment requirements will be described in detail in acceptance materials and include the following. Evidence of a physical examination (within the previous nine months) CPR Certification for Health Care Professionals (2-year certification preferred) Proof of required immunizations and Criminal background check/drug screen.

	Fall
BI 234 Introductory Microbiology.....	4
Human Relations Requirement (recommended)	3
CG 203 Human Relations at Work	
HO 120 Survey of Health Professions	
RT 112 Respiratory Care Science	2
RT 114 Fundamentals of Respiratory Care.....	2
RT 146 Introduction to Clinical Respiratory Care	3
	Winter
Health / PE Requirement (recommended)	3
HE 275 Lifetime Health and Fitness	
RT 116 Basic Respiratory Assessment.....	2
RT 127 Respiratory Disease and Medications	4
RT 141 Principles of Respiratory Care Lab.....	1
RT 144 Principles of Respiratory Care.....	3
	Spring
RT 126 Respiratory Care Case Review Part 1.....	2
RT 251 Pulmonary Diagnostics and Monitoring Lab	1
RT 254 Pulmonary Diagnostics and Monitoring	3
RT 280A Co-op Ed: Respiratory Care Clinical Practice 1	7
	Summer
RT 110 Introduction to Mechanical Ventilation.....	3
RT 136 Respiratory Care Case Review Part 2.....	4
RT 280B Co-op Ed: Respiratory Care Clinical Practice 2	5
	Second Year
RT 216 Respiratory Care Case Review Part 3.....	2
RT 241 Principles of Mechanical Ventilation Lab.....	1
RT 244 Principles of Mechanical Ventilation	3
RT 280C Co-op Ed: Respiratory Care Clinical Practice 3	7
	Winter
RT 256 Respiratory Care Case Review Part 4.....	2
RT 262 Neonatal/Pediatric Respiratory Care.....	3
RT 266 Emergency and Critical Care Part 1	3
RT 280D Co-op Ed:Respiratory Care Clinical Practice 4.....	7
	Spring
Arts and Letters Requirement (recommended)	4
COMM 111 Fundamentals of Public Speaking	
COMM 115 Introduction to Intercultural Communication	
COMM 218 Interpersonal Communication	
COMM 220 Communication, Gender and Culture	
RT 270 Clinical Competency Assessment.....	1
RT 274 Credentialing Topics	2
RT 276 Emergency and Critical Care Part 2	2
RT 280-R Co-op Ed: Respiratory Therapy (Practicum).....	4