

Respiratory Care

Two-Year Associate of Applied Science Degree

Purpose To prepare graduates with demonstrated 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 The graduate will:

- provide age-specific treatment, management, control, and care of patients with deficiencies and abnormalities associated with respiration.
- provide patients with therapeutic use of medical gases, air and oxygen administering apparatus.
- appropriately use environmental control systems, humidification and aerosols, medications, ventilatory control.
- provide pulmonary hygiene appropriate to patient's condition
- perform cardiopulmonary resuscitation, and measures and maintenance of natural, artificial, and mechanical airways.
- use clinical decision skills to create appropriate patient care plans
- 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.

Employment Trends

- Lane County openings: 122; 144 projected through 2018
- Statewide openings: 1077; 1201 projected through 2018
- Annual Nationwide positions: 105,900; 128100 projected through 2018
- The 2008-2018 employment projection estimates 44 openings annually statewide, with 5 openings annually in Lane County.

Wages Oregon 2009 statewide average is \$27.12 hourly and \$56,417 annually. Lane County average is commensurate with statewide average.

Costs in Addition to Tuition (estimates) See online credit class schedule for current course fees. Program costs in addition to tuition (college fees, uniform, equipment, textbooks, AARC student membership) are estimated at \$7320. Please consult lanecc.edu/hp/rc for itemization of estimated program costs.

Students also pay a differential fee for some Respiratory Care courses, which total \$1,432 for first year courses and \$2,807 for second year courses. These and other course fees may change during the year — see the online credit class schedule for current fees assigned to courses.

Student health insurance is required in the program. This can be obtained through the student health insurance (information available at the student health clinic) or other health insurance providers. (Cost variable based on individual circumstances.) A physical examination, immunizations, and criminal background check are required for the program. Criminal background check must pass clinical affiliate criteria for student to participate in required clinical courses. (Cost of meeting these requirements can vary between \$250 and \$500.)

Costs incurred while in the program related to transportation and childcare, and post-graduate credentialing and state licensure are not included in this estimate. Costs related to completion of program course pre-requisites are not included, but could add up to approximately \$2000 if completed at Lane Community College. Cost of travel to, and parking at, clinical affiliates varies with assignment. Licensure and post-graduate credentialing can cost up to \$730 depending on the level of credentialing and State Licensure Fees. For further information related to licensure process or fees in Oregon, contact: Oregon Health Licensing Agency, Respiratory Therapist Licensing Board 503.378.8667. Students should consider the additional costs of these requirements.

Licensing or Other Certification Exams Required National credentialing - National Board for Respiratory Therapy, 913.599.4200, www.nbrc.org - Oregon State Respiratory Care Practitioner License - Oregon Health Licensing Agency, 503.378.8667, oregon.gov/OHLA/RT

Admission Information The application information packet, submission timeline, and first-day enrollment requirements are found on the program web page, www.lanecc.edu/hp/rc

Program Accreditation The Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care, www.coarc.com

Cooperative Education (Co-op) Respiratory care allows students to earn college credit for participation in job-related activities in respiratory care professional settings under direct supervision. Through Co-op, enrolled students develop skills, connect classroom theory with practice, expand career knowledge, and make contacts for potential future employment in respiratory care. Co-op may be taken as an optional elective, and is a required course as the clinical capstone ICU practicum course in the final term. Contact Norma Driscoll, Respiratory Care Co-op Coordinator, Bldg. 4, Rm. 135, 541.463.3176, driscolln@lanecc.edu

Respiratory Care

Counseling and Advising 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

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.

- MTH 095 Intermediate Algebra (5 credits), or higher (4 or more credits) graded C- or better.
- CH 112 Chemistry for Health Occupations* and BI 112 Cell Biology for Health Occupations* (3 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
- BI 231 Human Anatomy and Physiology 1 (4 credits) Graded "C-" or better
- HO 100 Medical Terminology 1 (3 credits) pass/no pass option okay, or grade equal to C- or better
- WR 121 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 courses (for more information see www.lanecc.edu/hp/rc)

BI 232 Human Anatomy and Physiology 2 (4 credits) (Graded - "C" or better)

Evidence of a physical examination (within the previous nine months)

CPR Certification for Health Care Professionals - 2-year certification preferred

Physical Exam

Proof of required immunizations

Criminal background check

Program Coordinator: Norma Driscoll, BS, RRT, 541.463.3176, driscolln@lanecc.edu

Two-Year Associate of Applied Science Degree

First Year

	Fall
BI 233 Human Anatomy and Physiology 3 ^{*,4,G}	4
RT 112 Respiratory Care Science 1 ^G	2
RT 114 Fundamentals of Respiratory Care 1 ^G	2
RT 146 Introduction to Clinical Respiratory Care 1 ³	3
Human Relations requirement R,G	3
The following are preferred:	
CG 203 Human Relations at Work	
CG 191 Issues in Cultural Diversity	
HO 102 Diversity Issues in Health Care	
Total Credits	14

Winter

RT 116 Basic Respiratory Assessment ^{*,G}	2
RT 127 Respiratory Care Diseases and Medications ^{*,G}	4
RT 141 Principles of Respiratory Care Lab ^{*,G}	1
RT 144 Principles of Respiratory Care ^{*,G}	3
BI 234 Microbiology ^{*,G}	4
Total Credits	14

Spring

RT 251 Pulmonary Diagnostics and Monitoring Lab ^{*,G}	1
RT 254 Pulmonary Diagnostics and Monitoring ^{*,G}	3
RT 126 Respiratory Care Case Review - Part 1 ^{*,G}	2
RT 236 Clinical Practice 1 ^{*,3}	8

Total Credits 14

Summer

RT 110 Introduction to Mechanical Ventilation ^{*,4,G}	3
RT 136 Respiratory Care Case Review - Part 2 ^{*,4,G}	4
RT 248 Clinical Practice 2 ^{*,3}	6

Total Credits 13

Second Year

Fall

RT 241 Principles of Mechanical Ventilation Lab ^{*,4,G}	1
RT 244 Principles of Mechanical Ventilation ^{*,4,G}	3
RT 216 Respiratory Care Case Review - Part 3 ^{*,4,G}	2
RT 258 Clinical Practice 3 ^{*,3}	8

Total Credits 14

Winter

RT 256 Respiratory Care Case Review - Part 4 ^{*,4,G}	2
RT 262 Neonatal/Pediatric Respiratory Care ^{*,4,G}	3
RT 266 Emergency and Critical Care - Part 1 ^{*,4,G}	3
RT 268 Clinical Practice 4 ^{*,3}	8

Total Credits 16

Spring

Health/PE requirement ^{2,R}	3
Preferred: HE 275 Lifetime Health and Fitness ²	
RT 270 Clinical Competency Assessment ^{*,3}	1
RT 274 Credentialing Topics ^{*,G,D}	2
RT 276 Emergency and Critical Care - Part 2 ^{*,4,G}	2
RT 280 Co-op Ed: Respiratory Therapy ^{*,4,G}	4
Arts and Letters ^G	4

The following are preferred:

- SP 111 Fundamentals of Public Speaking
- SP 115 Introduction to Intercultural Communication
- SP 218 Interpersonal Communication
- SP 220 Communication, Gender and Culture

Total Credits 16

- 1 Must be accepted into Respiratory Care Program.
- 2 Students fulfilling Physical Education degree requirements via PE courses must complete activity courses over at least two terms.
- 3 Graded Pass/No Pass
- 4 Must be passed with grade of "C" or better

Optional courses each term:

- RT 148 Advanced Placement Clinical Practice
- RT 298 Independent Study
- RT 280 Co-op Ed

an equal opportunity/affirmative action institution committed to cultural diversity and compliance with the Americans with Disabilities Act 6/11

Standard footnotes:

* Prerequisite required

B Must be passed with grade of "B" or better to use as a prerequisite

D Degree or certificate requirement; must be passed with grade of "C-" or better

G Must be taken for a grade, not P/NP; major requirement

R Required for AAS degree