



**2009-2010
Career and Technical
Programs**

**Health Professions
Division
(541) 463-5617**

**Two-Year Associate
of Applied Science
Degree**

Respiratory Care

See the Respiratory Care web pages for additional information.

Purpose To prepare graduates to pass the National Board for Respiratory Care (NBRC) Advanced Practitioner Examination and to become competent Registered Respiratory Therapists.

Learning Outcomes The graduate will:

- provide 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.
- supervise postural drainage, chest physiotherapy and breathing exercises.
- perform cardiopulmonary resuscitation, and measures and maintenance of natural, artificial, and mechanical airways.
- 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 The employment projection for 2006-2014 is estimated to be at about the statewide average. This occupation is expected to grow somewhat faster than the statewide average. Total job openings are projected to be somewhat higher than the statewide average. Reasonable employment opportunities exist for trained workers largely due to the need to fill replacement job openings.

Wages Oregon statewide average is \$25.36 hourly and \$53,576 annually. Lane County average is commensurate with statewide average.

Costs in Addition to Tuition (estimates)*

Student Activity Fees.....	\$320
Lab Fees (includes all courses in program).....	\$200
Uniforms.....	\$70
Equipment (stethoscope).....	\$100
Textbooks	\$1000
Technology Fee	\$303
College Transportation Fee (7 terms)	\$133
Personal Health Insurance – required.....	(varies)
Criminal background check – required	\$50
Drug Screening.....	(fee TBA)
CPR Certification	(varies)

In addition, respiratory care students pay a differential fee for some courses. The fee is established annually and is noted in the online class schedule quarterly by course. The annual differential fees are estimated at:

First Year (3 terms).....	\$1358
Second Year (4 terms).....	\$2716

* Subject to change without notice.

Student health insurance is required in the program. This can be obtained through the college or other health insurance providers.

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. Costs related to transportation, childcare, post-graduate credentialing and state licensure are not included in this estimate. Costs related to completion of pre-requisites are not included, but could add up to approximately \$1300 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

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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.

Program Accreditation The Respiratory Care Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation for Respiratory Care (CoARC).

Licensing or Other Certification Exams Required National credentialing - National Board for Respiratory Therapy, (913) 599-4200, nbrt.org. Oregon State Respiratory Care Practitioner License - Oregon Health Licensing Agency, (503) 378-8667, www.oregon.gov/OHLA/RT

Application Requirements In order to apply for Fall 2010* entry all applicants must complete the following minimum prerequisites as indicated below. Other Fall specialized program requirements will be described in acceptance materials.

- Math 95 (5 credits), or higher (4 or more credits) graded C- or better. For students applying for Fall 2010 entry
- Chemistry 112*^S and Biology 112*^S (3 credits each), or 100-level or higher college chemistry ^S 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 English Composition: Exposition and Intro to Argument *^W (4 credits) pass/no pass option okay, or grade equal to C- or better

* Application Math Requirement for Fall 2009 entry: Math 60 and 65 (4 credits each, total of 8 credits) or Math 70 (5 credits, or higher (4 or more credits) (graded C- or better)

Admission Deadline Applications will be screened on a first-come, first-qualified basis until the program is filled or end of July.

Criteria Used for Admission The application information packet is found on the program web page www.lanec.edu/hp/rc Selection to the program is based on completion date of the application (application plus all transcripts documenting successful completion of prerequisites) and meeting all requirements indicated in the application information packet.

Admission Information Applications are available online at www.lanec.edu/hp.

Cooperative Education (Co-op) Respiratory care allows students to earn college credit for participating 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.

Program Advisor Rosa Lopez, Bldg. 1, Rm. 107, (541) 463-5660, lopezr@lanec.edu

Program Counselor Leslie Soriano-Cervantes, Bldg. 1, Rm. 103F, (541) 463-5512, soriano-cervantesl@lanec.edu

First Day Enrollment Requirements completed prior to enrolling in fall term program courses:

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

First Year	Fall
BI 233 Human Anatomy and Physiology 3 * ^{G,S,4}	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,S}	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 * ^{G,4}	3
RT 136 Respiratory Care Case Review - Part 2 * ^{G,4}	4
RT 248 Clinical Practice 2 * ³	6

Total Credits 13

Second Year

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

Total Credits 14

Winter

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

Total Credits 16

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

Courses may be offered through distance learning beginning with first-year fall term 2009.

Standard footnotes:

- * Prerequisite required
- A Meets Arts/Letters requirement
- 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

- H Meets Human Relations/Social Science requirement
- M Meets Mathematics requirement
- P Meets PE/Health requirement
- R Required for AAS degree
- S Meets Science/Math/Computer Science requirement
- W Meets Written Communications or English Composition requirement

an equal opportunity/affirmative action institution committed to cultural diversity
and compliance with the *Americans with Disabilities Act* 6/09