

# Associate of Applied Science Degree Science and Health Technologies

## Respiratory Therapy (9340)

Respiratory therapy involves preventive, diagnostic, rehabilitative, and intensive-care therapy for patients with current or potential cardiopulmonary problems.

Respiratory therapy, as a clinical discipline, has grown rapidly and has become an essential contributor to healthcare. Technological advancements and increased longevity combined with harmful effects caused by air pollution and hazardous occupations have created an increased demand for respiratory care practitioners.

Lakeland's Respiratory Therapy degree program provides a sound preparation for the registry examination and therapist employment. Students in the program will have a wide variety of clinical experiences in several affiliated hospitals, long-term care facilities, and other community-based respiratory care providers.

Students must be admitted to the Respiratory Therapy program to enroll in RESP courses. Other courses may be taken prior to admission to the program.

All students enrolled in a nursing or allied health program/certificate must complete a criminal background check. In accordance with clinical site requirements, students with a criminal record may be ineligible to participate in a clinical course/rotation/practicum. Delays, for any reason, in obtaining background results may cause an interruption in the clinical rotation sequence or inability to complete program requirements. Additional background screening may be required by individual facilities.

Drug Testing may be requested in accordance with clinical affiliation requirements and/or for patient/student health and safety.

A minimum GPA of 2.0 and a "C" grade or better is required in all science and program-specific courses for graduation.

### ADMISSION PROCEDURES

**Students must meet specific admission requirements for this program.** Listed below are requirements for admission to the Respiratory Therapy Program:

#### OPTION 1: High School Option

This option is for current high school seniors or high school graduates who apply to the program within two years of high school graduation.

**Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.**

- Complete college application(s).
- Composite score of 21 or higher on the American College Test (ACT) or combined score of 1400 on the Scholastic Aptitude Test (SAT).
- Complete high school algebra, chemistry, and biology with a "C" grade or better.
- An overall high school GPA of 2.5 on a 4.0 scale or equivalent.
- Meet with a counselor to review program prerequisites and requirements.

Upon successful completion of the above criteria, the applicant will be admitted into the program. Students must complete HLTH 1210 (Medical Terminology) with a "C" grade or better prior to enrolling in their first health technology course.

#### OPTION 2: College Option

This option is for students who do not qualify for admission under Option 1. **Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.**

- Complete college application(s).
- Submit high school transcript as well as any college transcript(s).
- Successful passing score on the required program pre-admission test.
- Meet with a counselor to review program prerequisites and requirement.
- The following courses, or equivalent courses at other regionally accredited colleges, must be completed with a "C" or better and have a minimum cumulative GPA in program applicable courses of 2.5 or better.
  - HLTH 1210 Medical Terminology
  - BIOL 2210 Anatomy & Physiology I

**NOTE:** Students must meet one of these requirements to take BIOL 2210:

1. High school biology within last five years and high school chemistry.
2. High school biology within last five years and CHEM 1100 Elementary Chemistry.
3. Biology 1200 Fundamentals of Biology for the Health Technologies.

Students are required to take the Math Placement Test and be placed into MATH 0950 or complete MATH 0850 with a "C" grade or higher.

#### First Semester:

BIOL 2210 . . . . .	Anatomy and Physiology I . . . . .	4
<b>ENGL 1110*</b> . . . . .	<b>English Composition I (A)</b> . . . . .	3
<b>OR</b>		
<b>ENGL 1111</b> . . . . .	<b>English Composition I (B)</b> . . . . .	
PHYS 1440 . . . . .	Physics for Allied Health . . . . .	3
RESP 1100 . . . . .	Fundamentals of Respiratory Therapy . . . . .	3
RESP 1200 . . . . .	Cardiopulmonary Physiology . . . . .	2
		<b>15</b>

#### Second Semester:

BIOL 2220 . . . . .	Anatomy and Physiology II . . . . .	4
ENGL 1120 . . . . .	English Composition II . . . . .	3
RESP 1300 . . . . .	Cardiopulmonary Therapeutics . . . . .	5
RESP 1400 . . . . .	Pharmacology . . . . .	1
RESP 1500 . . . . .	Cardiopulmonary Pathology . . . . .	3
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#### Summer:

BIOL 2700 . . . . .	Microbiology . . . . .	4
RESP 1600 . . . . .	Advanced Diagnostics . . . . .	5
RESP 1800 . . . . .	Introduction to Pediatric Respiratory Therapy . . . . .	2
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**Third Semester:**

PSYC 1500 . . . . .Introduction to Psychology . . . . .3  
RESP 2100 . . . . .Mechanical Ventilation . . . . .7  
RESP 2200 . . . . .Hemodynamics and Electrocardiography. . . . .3  
Choose course(s) from the Arts and Humanities Electives list. . . . .3

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**Fourth Semester:**

RESP 2300 . . . . .Long Term Care and Rehabilitation . . . . .6  
RESP 2400 . . . . .Advanced Therapeutics . . . . .3  
SPCH 1100 . . . . .Effective Interpersonal Communications . . . . .3

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**Program Total: 70**

*\*English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

**Arts and Humanities Electives:** minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 2200, 2250; PHIL 1500, 2000