



ALLIED HEALTH

# Respiratory Care Technology

Presented by BGSU Firelands, Huron, Ohio.

Lorain County Community College, in Elyria, Ohio, and Bowling Green State University Firelands College, in Huron, Ohio, join in a unique partnership that brings an associate degree respiratory care technology program to the LCCC campus. A bachelor of applied health science (respiratory care) is also available.

You can live without food for a few weeks. You can live without water for a few days. But if you are deprived of air, you will die within minutes. In terms of survival, breathing is your most immediate need. Respiratory care is the allied health profession that cares for patients with deficiencies and abnormalities of the cardiopulmonary system. The respiratory therapist sees a diverse group of patients ranging from newborn and pediatric to adult and elderly patients. Respiratory therapists are involved in critical care and work closely with physicians, nurses and other health care professionals. Respiratory therapists work under the direction of a physician and assist in the diagnosis, treatment and management of patients with cardiopulmonary disorders.

The associate degree program has two main components: pre-professional courses and professional year courses. The program requires completion of approximately 41-semester hours of pre-professional coursework followed by 41-semester hours of professional coursework.

Pre-professional coursework is offered and taught by LCCC faculty. Some first-year (pre-professional) courses have prerequisites, which may be waived dependent upon a student's assessment results or academic achievement in high school. This part of the program can be taken on a full-time or part-time basis. Professional coursework is also offered at LCCC and is taught by BGSU faculty.

The professional curriculum includes lecture, pre-clinical skill development (lab) and clinical experiences. The clinical component of the program, which provides students with real-world, practical experience in an actual health-care facility, is offered at several hospital/medical center affiliates in the area. The professional curriculum can be completed in four semesters.

Areas of study for the respiratory care program include communications, English, chemistry, physics, human anatomy and physiology, microbiology, psychology, mathematics and medical ethics. Technical coursework includes respiratory care theory and practice activities (laboratory and pre-clinical skill development) along with clinical experiences.

The Respiratory Care program at Bowling Green State University, Elyria, Ohio (LCCC Campus) is accredited by the Commission on Accreditation for Respiratory Care. Visit [www.coarc.com](http://www.coarc.com) for more information.

## BGSU

Bowling Green State University

### Job Outlook

Employment of respiratory therapist is expected to grow 19 percent by the year 2016, faster than the average for all occupations. Job opportunities are very good. Most openings continue to be in hospitals; however, opportunities outside the hospital environment are also expanding. As the number of older Americans increases and as new treatment advances are realized for heart attack and accident victims, premature babies and AIDS patients, an increased demand for respiratory therapists will be created. This field is considered one of the hottest job fields, with a bright future and a great deal of job security and opportunity for advancement.

### Earnings

Average annual earnings of full-time respiratory therapist exceed \$47,000. Salaries may exceed \$65,000, depending on the level of education received.

### Accelerated Track

Students can complete this program in four semesters following pre-professional requirements.

### For More Information

For more information about the LCCC/BGSU respiratory care technology program, please contact program advisors Robin Garland or Rod Roark (800) 322-4787 or (800) 995-LCCC, Ext. 4790 or direct-dial (440)366-4790.



Lorain County  
Community College

Real Education. Real Jobs. A Real Future.

(800) 995-LCCC  
[www.lorainccc.edu](http://www.lorainccc.edu)

# Respiratory Care Technology Careers

## The Respiratory Care Technology Program Presented By Lorain County Community College and BGSU Firelands College

### Associate of Applied Science in Respiratory Care Technology

This program prepares graduates to function as respiratory therapists in hospitals, skilled nursing and rehabilitation facilities, private homes, medical equipment supply companies, home health agencies, medical centers and physician offices. Upon completion of the program, graduates are eligible to sit for the National Board for Respiratory Care (NBRC) entry-level examination (Certified Respiratory Therapist examination). Successful completion of this exam is required to obtain a license to practice respiratory care in Ohio. Graduates can also sit for the Advanced Practitioner examination (Registered Respiratory Therapist examination) after successful completion of the entry-level examination.

Refer to LCCC's University Partnership's coursework requirements for the bachelor degree in applied health science.

### Program Admission

Students interested in the respiratory care technology degree program must make formal application and meet the following criteria for consideration:

1. Be formally admitted to BGSU;
2. Submit a program application to the academic advisor (Ms. Robin Garland for LCCC campus based students; Mr. Rod Roark for Firelands campus based students). Applications are due by April 1 for fall admission;
3. Be a graduate of an accredited high school and have attained an overall GPA of 2.5 on a 4 point scale in high school or, have earned the GED;
4. Complete prerequisites (Pre-professional requirements) with a grade of "C" or higher in all ALHN, BIOG, and CHMY coursework (or equivalent coursework if transferring from another accredited institution);
5. Maintain a cumulative GPA of 2.5 or higher (on a 4 point scale) for all college/university coursework;
6. Complete a hospital/medical center tour of a respiratory or cardiopulmonary services department and submit the observation verification form to the academic advisor;
7. Complete an interview with the respiratory care admissions committee.

*Note: All admissions are subject to approval by the respiratory care admissions committee.*

### Program Progression

After gaining admittance into the degree program, students must continue to meet the following standards to progress:

1. Maintain a cumulative GPA of 2.5 or higher;
2. Earn a grade of "C" or higher in all RESP courses;
3. Successfully complete (pass according to National Board for Respiratory Care "cut scores") the following NBRC/AMP self assessment examinations prior to graduation: Entry Level Exam (CRT), Advanced Practitioner Exam (RRT Written) (see Directed Practice Syllabi);
4. Respiratory program and clinical policies.

### Pre-Professional Year Courses (Three Semesters)

Course No.	Course Title	Credits
ENGL 161	College Composition I	3
MTHM 171 OR	College Mathematics	3
MTHM 168 OR	College Algebra or	4
MTHM 151	Statistics or	3
BIOG 121	Anatomy & Physiology I	4
CHMY 161	General, Organic & Biochemistry	4
SDEV 101	The College Experience	1
ALHN 110	Medical Terminology	3
ALHN 118	Pharmacology for Allied Health and Nursing	3
PHLY 165	Bioethics	3
ENGL 162	College Composition II	3
BIOG 122	Anatomy & Physiology II	4
BIOG 251	General Microbiology	4
PSYH 151	Introduction to Psychology	3
Elective	General Studies Course	3

### Professional Year Courses

Course No.	Course Title	Credits
RESP 1050	Introduction to Respiratory Care (web based)	2
RESP 1200	Principles of Respiratory Care I	3
RESP 1210	Principles of Respiratory Care II	3
RESP 2020	Cardiopulmonary/ Renal Anatomy & Physiology	3
RESP 2030	Pulmonary Pathophysiology	3
RESP 2210	Respiratory Critical Care Procedures	4
RESP 2220	Principles of Respiratory Care III	3
RESP 2400	Neonatal & Pediatric Respiratory Care	2
RESP 2510	Respiratory Care Directed Practice	3
RESP 3600	Cases & Reviews in Respiratory Care	3
RESP 2610	Respiratory Care Directed Practice	2
RESP 2710	Respiratory Care Directed Practice	3
RESP 2810	Respiratory Care Directed Practice	3
RESP 3510	Advanced Cardiac Life Support	3

## About Lorain County Community College

Lorain County Community College continues to experience enrollment growth because attending LCCC is the most economical way to reach educational goals that help graduates become valuable players in the future economic growth of the county and region. Because of the variety and quality of learning opportunities LCCC provides, enrollment has grown 78 percent since 2000.

Lorain County Community College, which opened in 1963, is one of Ohio's leading colleges delivering credit programs at its Elyria campus and outreach centers in downtown Elyria, Lorain, Wellington and Brunswick. Plus more than 200 courses are offered via distance-learning education options, and the Associate of Arts degree can be completed entirely online.

Students can choose from more than 80 educational programs. Students can complete the first half — and sometimes more — of a bachelor's degree through LCCC's University Partnership, which brings eight universities to the LCCC campus offering 40 bachelor's and master's degree programs. Students can upgrade, retrain and improve current life skills.

In addition to providing a great education for those who enter college with aspirations of a degree, LCCC helps those who have changed their career goals, who want to broaden their horizons, and who want to return to work. LCCC provides learning and training for those who want to move up but find they need new or improved skills for the kind of professional opportunities they seek.

LCCC faculty is recognized locally and nationally for their work as professors and in other areas. They all have advanced degrees and real world experience and understand their primary responsibility at LCCC is to teach classes.

LCCC is fully accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, which is the regional accrediting authority for Ohio colleges and universities. Since opening its doors, LCCC has served more than 300,000 people. More than six million students enroll annually in credit courses at America's community colleges, representing about 46 percent of all students in higher education and about 56 percent of all first-time college entrants.



Lorain County  
Community College



The University  
Partnership

of Lorain County Community College

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