



Respiratory therapists care for patients who have trouble breathing; for example, from a chronic respiratory disease, such as asthma or emphysema. Their patients range from premature infants with undeveloped lungs to elderly patients who have diseased lungs. They also provide emergency care to patients suffering from heart attacks, drowning, or shock. Respiratory therapists typically do the following:

- Interview and examine patients with breathing or cardiopulmonary disorders
- Consult with physicians to develop patient treatment plans
- Perform diagnostic tests such as measuring lung capacity
- Treat patients, using a variety of methods, including chest physiotherapy and aerosol medications
- Monitor and record the progress of treatment
- Supervise respiratory therapy technicians during tests and evaluate the findings of the tests
- Teach patients how to use treatments

Respiratory therapists use various tests to evaluate patients. For example, therapists test lung capacity by having patients breathe into an instrument that measures the volume and flow of oxygen when they inhale and exhale. Respiratory therapists may also take blood samples and use a blood gas analyzer to test the oxygen and carbon dioxide levels present.

Respiratory therapists perform chest physiotherapy on patients to remove mucus from their lungs and make it easier for them to breathe. Removing mucus is necessary for patients suffering from lung diseases, such as cystic fibrosis, and involves the therapist vibrating the patient's rib cage, often by tapping the patient's chest and encouraging him or her to cough.

Respiratory therapists may connect patients who cannot breathe on their own to ventilators to deliver oxygen to the lungs. Therapists insert a tube in the patient's windpipe (trachea), and connect the tube to ventilator equipment. They set and monitor the equipment to ensure that the patient is receiving the correct amount of oxygen at the correct rate.

Respiratory therapists who work in home care teach patients and their families to use ventilators and other life-support systems in their homes. During these visits, they may inspect and clean equipment, check the home for environmental hazards, and ensure that patients know how to use their medications. Therapists also make emergency home visits when necessary. In some hospitals, respiratory therapists are involved in related areas, such as counseling people on how to stop smoking and diagnosing breathing problems for people with sleep apnea. (*Occupational Outlook Handbook*)

Students may receive a Bachelor of Science Degree in Applied Health Sciences from the University of Nebraska at Kearney after satisfactory completion of a program consisting of 85 semester hours of pre-respiratory therapy and a fourth (12 month) clinical year at an affiliated School of Respiratory Therapy. **Gaining acceptance into a respiratory therapy professional clinical training program is a very competitive process. Completion of the pre-requisite courses does not automatically guarantee admission.** The following courses are required prior to application for the clinical training portion of the program:

A. Required Courses

Take all of the following:

BIOL 103	General Biology	4
BIOL 211	Human Microbiology	4
BIOL 225	Anatomy and Physiology	4
BIOL 226	Anatomy and Physiology	4
BIOL 325	Medical Terminology	1
CHEM 145	Introductory Chemistry	4
or		
CHEM 160	General Chemistry	4
ENG 102	Academic Writing and Research	3
MATH 102	College Algebra	3
PE 265	Advanced First Aid and Critical Care	2
PHYS 203	Physics for Allied Health	4
or		
PHYS 205	General Physics	5
PSY 203	General Psychology	3
PSY 230	Human Development	3

B. Respiratory Therapy Electives: Take courses from the following list of electives to reach a total of 85 credit hours. A minimum of 5 hours must be upper division (300-400).

BIOL 110	Introduction to Epidemiology	3
BIOL 311	Bioethics	3
BIOL 461	Human Genetics	3
CSP 417	Counseling Skills	3
ECON 410	Health Care Economics	3
PE 108	Introduction to Nutrition	3
HSCI 125G	Orientation to Respiratory Therapy	1
HSCI 140	Introduction to Public Health	3
HSCI 300	Seminar in Health Sciences	1
MGT 380	Human Resource Management	3
MGT 440	Healthcare Management I – Managing People Effectively	3
MGT 441	Healthcare Management II – Managing Processes Effectively	3
MGT 450	Healthcare Delivery: Systems and Policies	3
PE 329	Intro to Health Promotion	3
PE 461	Exercise Physiology	3
PHIL 110**	Introduction to Logic	3
PHIL 120	Introduction to Ethics	3
PSY 231	Abnormal Behavior	3
PSY 313	Physiological Psychology	3
PSY 350	Ethics in Psychology	3
PSY 462	Adult Development and Aging	3
PSY 465	Psychopharmacology	3
SOC 100**	Intro to Sociology	3
SOC 462	Sociology of Health and Illness	3
SPAN 103**	Spanish for Special Purposes (Medical)	3
SPCH 300	Interpersonal and Rational Communications	3
SPCH 332**	Logic Argumentation and Reasoning	3
STAT 241	Elementary Statistics	3

May take one of the following:

SOC 225**	Global Cultures and Diversity	3
SOC 420**	Race and Minority Relations	3

** These courses are recommended by NE Methodist College.

C. General Studies: Completion of the pre-respiratory therapy courses and a respiratory therapy clinical training program will lead to a Bachelor’s Degree in Applied Health Sciences from UNK. Therefore, students must also complete the requirements for the General Studies Program at UNK not covered by the Required Courses.

D. Professional Training in Respiratory Therapy: Students must complete a one year professional clinical training at an affiliated Hospital/School of Respiratory Therapy. **Students must register for HSCI 475: Internship in Health Sciences: Respiratory Therapy, worth 5 credit hours, every semester during the clinical training (fall and spring semesters) for a total of 10 credit hours.** Students are awarded a total of **25 credit hours for the respiratory therapy training upon completion of the professional clinical program.** The University of Nebraska is currently affiliated with the clinical program Methodist College in Omaha. Students in the Nebraska Methodist College program may complete the professional training in Kearney at Good Samaritan Hospital.

Notes On Attending a Hospital-Based Professional Respiratory Therapy Training Program

- **Required Course: HSCI 475:** If attending one of the affiliated hospital-based professional programs and planning to receive a degree from UNK, students are required to register each semester (fall and spring semester) for a five credit hour course titled “Internship in Health Sciences” (HSCI 475). This course is required in order to complete graduation requirements and allow students to receive financial aid from UNK if necessary. The course is a credit/no credit course and students are given credit each semester as long as they are passing their professional program. In order to graduate, students are required to register for the course 2 times – fall and spring semesters of the professional training program. Students will be reminded each semester to register for HSCI 475. **If all requirements are complete, students should apply for spring or summer graduation during their final year of the professional program to receive the Bachelor of Science in Applied Health Sciences Degree from UNK.**
- **Cost of Attendance:** The cost of attending an affiliated respiratory therapy program varies by program and can range anywhere from approximately \$20,000 – 30,000 including the program’s tuition, books, fees and uniforms. Housing costs are not included. The UNK tuition and fees for HSCI 475 has been waived.
- **Mode of Delivery:** A professional program in respiratory therapy includes both didactic coursework and hands-on training in a clinical setting. The didactic coursework will occur in a classroom setting, however, some of the content may be delivered electronically or via distance education. The hands-on training will occur in person in the clinical setting.

Academic Guidelines

While no minimum GPA is required for most clinical training programs in respiratory therapy, students who are successful in gaining admission to a clinical training program typically have at least a 3.0 cumulative GPA. A higher GPA is preferred and will result in the student being a more competitive applicant. Each required course must be passed with a grade of “C” or better. A grade of “C-” will not be accepted at most programs.

Students searching for electives outside their major requirements should consider courses from the following areas: biology, chemistry, mathematics, sociology, psychology, business administration, healthcare management, and healthcare economics. See your advisor for suggestions. Students should be aware of prerequisites on all courses and plan their coursework accordingly.

Non-Academic Guidelines

There is no magic formula for acceptance in to clinical training. Admission is based on GPA, test scores if required, shadowing and medical experiences, community involvement and volunteerism, leadership qualities, the interview, the essay, and letters of recommendation. Respiratory therapy students are **recommended to shadow a minimum of 40 hours** and may do so through enrollment in HSCI 125G: Orientation to Respiratory Therapy. Health Sciences offers opportunities to meet these non-academic guidelines through the Shadowing Program, the Health Science Club, and volunteer experiences. Students should plan to be involved in these types of activities and experiences throughout their undergraduate career. Other important non-academic factors include good moral character, excellent interpersonal skills, a deep commitment to healthcare, evidence of leadership potential and service to others.

The Application Process

The applications to the clinical training programs are available directly from each program. Most can be accessed through the program’s website or can be obtained by calling the program director. The applications should be completed during the fall semester of the student’s last year of coursework at UNK.

Letters of Evaluation/Recommendation

Letters of evaluation will be required of applicants. Letters from a faculty member, respiratory therapist, academic advisor, or employer would be appropriate. Information about the non-academic character of a student would be most useful as academic information is already in the application.

Interviews

Most schools screen applicants with some form of personal interview. The format of the interview may vary depending on the schools to which the student is applying.

Criminal Background Checks

Prerequisite for enrollment into any health science professional program or clinical training is consent for an external background check. This check includes, but is not limited to, past criminal offenses and registry information. If there is evidence of arrest for a crime(s), conviction for a crime(s), presence on an abuse registry, or other information which reasonably suggests that patient safety might be compromised, the student will be asked to provide additional information.

Citizenship/International Students

Professional schools in the health sciences vary as to whether they accept non-U.S. citizens. Some schools that do accept non-citizens require a substantial financial commitment up front. Since not all schools accept non-citizens and since the financial commitment of those that do may be substantial, students should thoroughly research and carefully consider such a decision and discuss it with their pre-health advisors early in their undergraduate years.

Suggested Sequence of Key Courses

	Fall	Spring
Year 1	<p>CHEM 145 or CHEM 160 (LOPER 8) MATH 102 (LOPER 4) BIOL 103 ENG 101 (if required)</p> <p>14 hours</p>	<p>BIOL 211 ENG 102 (LOPER 2) SPCH 100 (LOPER 3) LOPER 1 LOPER 6</p> <p>16 hours</p>
Year 2	<p>BIOL 225 BIOL 325 Respiratory Elective PSY 203 (LOPER 7) LOPER 9</p> <p>14 hours</p>	<p>BIOL 226 Respiratory Elective LOPER 5 LOPER 10 PSY 230</p> <p>16 hours</p>

Year 3	<p style="text-align: center;">Respiratory Electives (10 credits) PE 265</p> <p style="text-align: center;">12 hours</p>	<p style="text-align: center;">PHYS 203 or PHYS 205 Upper Division Respiratory Electives (6 credits) Elective</p> <p style="text-align: center;">13 hours</p>
Year 4	<p style="text-align: center;">Professional clinical training in affiliated respiratory therapy program.</p> <p style="text-align: center;">HSCI 475 – 5 credit hours Students must register for this course at UNK during both semesters.</p>	<p style="text-align: center;">Clinical training in affiliated respiratory therapy program.</p> <p style="text-align: center;">HSCI 475 – 5 credit hours</p>

- Students should be aware of prerequisites for courses and plan accordingly.
- A MATH ACT score of 20 is a pre-requisite for College Algebra (MATH 102).
- A MATH ACT score of 22 or prior completion of College Algebra (MATH 102) or higher is a pre-requisite for CHEM 160.
- A minimum MATH ACT score of 20 or prior completion of College Algebra (MATH 102) (Grade of B+ or better) or higher is required for entry into PHYS 205.
- Completion of one semester of chemistry is required for entry into BIOL 225

Websites

Respiratory Therapy – Nebraska Methodist College <http://www.methodistcollege.edu/respiratory-care>
 UNK Health Sciences www.unk.edu/healthsciences