

RESPIRATORY THERAPY, BS

Bachelor of Science in Respiratory Therapy (279002BS)

This is a great time to be choosing Respiratory Therapy for a career. Respiratory Therapists care for patients who are having trouble breathing (e.g. asthma, emphysema, chronic obstructive pulmonary disease, etc.). Most Respiratory Therapists are employed full-time especially in hospitals working with all patient age groups and covering all shifts.

Factors that you should consider when selecting the UA Respiratory Therapy program for your education:

- the exceptional pass rate of our graduates on the national certification examination (our pass rate exceeds the national average)
- our extremely positive job placement rate in less than one (1) year after graduation
- the high caliber of the students admitted into our program assures a very high probability of your completion of the program
- during the program (under the supervision of a clinical instructor) you will obtain "hands-on" clinical experience working with real patients at one of our affiliated local hospitals
- after completing your first clinical course you will be eligible to obtain part-time Respiratory employment in local hospitals while still enrolled in the program

More on the Respiratory Therapy major (<https://www.uakron.edu/allied-health/respiratory-care/>)

Contact Information

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Program Description

Respiratory Therapists: assess, treat and care for patients with cardiopulmonary disorders. Primary responsibilities include initiation of and monitoring of therapeutic procedures, administering medications, maintaining patient records, selecting, assembling, operating and maintaining cardiopulmonary life-sustaining equipment.

Respiratory Therapists care for neonatal, pediatric and adult patients from birth to the final stage of life, and may be employed by acute-care hospitals, clinics, long-term acute care facilities, physician offices, pulmonary rehabilitation centers, home-care agencies, sleep-labs, medical device sales companies, as well as participate in intra-facility critical care ground and air transport at some hospitals.

Accreditation: The Bachelor of Science in Respiratory Therapy program at The University of Akron is accredited by the Commission on Accreditation for Respiratory Care (CoARC); 777 Cannon Drive, P. O, Box 54876, Hurst, TX 76054-4876 USA.

Requirements for Admission

The program requires the following prerequisite courses to be completed with a C or better: Math requirement (Algebra equivalent or above), Medical Terminology, Concepts in Respiratory Therapy, Principles of Microbiology, Anatomy and Physiology I (lecture/lab) requirement, and

Introduction to General, Organic & Biochemistry (lecture/lab). Program applications are due by November 30th each year, with the new cohort starting in the spring semester.

Application Deadline: Application deadline is November 30th for those students who will complete all of the pre-admission courses¹ by the end of fall semester with a minimum 2.3 GPA or higher.

Application to the program is competitive but varies each year by applicant pool. Acceptance is based on overall grade point average as well as grades earned in required math and science courses. Application to the program requires a criminal background check (FBI and BCI). Twenty (20) students are selected each year. Applications will be administered to students while they are enrolled in RESP 100 Concepts in Respiratory Therapy, or may be picked up in the School of Allied Health, Polsky 265 at any time.

¹ Pre-admission coursework, students must apply by November 30th (see Application Deadline/Requirements).

The following information has official approval of **The Department of Allied Health** and **The College of Health and Human Sciences**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Report (Stellic) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Three year accelerated option: for first time students who have earned credits for at least the first year of courses. Credits can be earned through qualifying scores on appropriate Advanced Placement (AP) exams or through [College Credit Plus Program \(CCP\)](#) courses. Credits for qualifying AP scores or [CCP](#) courses are determined by the appropriate academic department. Departments may assign varied course credit, depending on the student's score on an AP exam or [grade in a CCP](#) course. Students may also receive credit by examination or via placement tests, where appropriate.

Requirements Summary

Code	Title	Hours
	General Education Requirements (https://bulletin.uakron.edu/undergraduate/general-education/) [*]	18
	Prerequisite Courses	21
	Core Respiratory Therapy Courses	62
	Other Required Courses	19
Total Hours		120

^{*} Several courses required for the major also satisfy General Education requirements. The University minimum of 36 credits are required for General Education and credit for these courses will apply to multiple requirements.

Recommended General Education Courses

Code	Title	Hours
Students pursuing a bachelor's degree must complete the following General Education coursework. Diversity courses may also fulfill major or Breadth of Knowledge requirements. Integrated and Applied Learning courses may also fulfill requirements in the major.		
Students are not required to enroll in the specific courses listed below. However, to facilitate successful degree completion, the academic department strongly encourages completion of the following recommendations.		
Academic Foundations		12
<i>Mathematics, Statistics and Logic: 3 credit hours</i>		
MATH 145	Algebra for Calculus	
<i>Speaking: 3 credit hours</i>		
COMM 105	Introduction to Public Speaking	
<i>Writing: 6 credit hours</i>		
ENGL 111	English Composition I	
ENGL 112	English Composition II	
Breadth of Knowledge		22
<i>Arts/Humanities: 9 credit hours</i>		
PHIL 120	Introduction to Ethics	
<i>Natural Sciences: 7 credit hours</i>		
BIOL 100	Introduction to Botany	
BIOL 200	Human Anatomy & Physiology I	
BIOL 202	Human Anatomy & Physiology II	
CHEM 110	Introduction to General, Organic & Biochemistry I (Lecture)	
	or CHEM 151 Principles of Chemistry I	
CHEM 111	Introduction to General, Organic & Biochemistry I (Laboratory)	
	or CHEM 152 Principles of Chemistry I Laboratory	
<i>Social Sciences: 6 credit hours</i>		
PSYC 100	Introduction to Psychology	
SOCIO 100	Introduction to Sociology	
Diversity		
Domestic Diversity		
SOCIO 100	Introduction to Sociology	
Global Diversity		
Integrated and Applied Learning		2
<i>Select one class from one of the following subcategories:</i>		
Complex Issues Facing Society		
PHIL 361	Biomedical Ethics	
Capstone		
<i>Review the General Education Requirements page for detailed course listings.</i>		
Total Hours		36

Prerequisite Courses

Code	Title	Hours
MATH 145	Algebra for Calculus ^{1,2}	4
CHEM 110	Introduction to General, Organic & Biochemistry I (Lecture) ¹	3
	or CHEM 151 Principles of Chemistry I	

CHEM 111	Introduction to General, Organic & Biochemistry I (Laboratory) ¹	1
	or CHEM 152 Principles of Chemistry I Laboratory	
BIOL 130	Principles of Microbiology ¹	3
BIOL 200	Human Anatomy & Physiology I ¹	3
	or ANAT 206 Applied Human Anatomy & Physiology I	
BIOL 201	Human Anatomy & Physiology Laboratory I ¹	1
	or ANAT 210 Applied Human Anatomy & Physiology Lab I	
BAHA 120	Medical Terminology ¹	3
RESP 100	Concepts in Respiratory Therapy ¹	3
Total Hours		21

¹ Course required for application

² Completing 1) STAT 250 Statistics for Everyday Life or STAT 260 Basic Statistics, 2) MATH 152 Technical Mathematics II and MATH 153 Technical Mathematics III satisfies this requirement.

Core Respiratory Therapy Courses

Code	Title	Hours
RESP 210	Respiratory Therapy Procedures I (Lecture/Lab)	3
RESP 215	Respiratory Therapy Pharmacology	3
RESP 301	Cardiopulmonary Assessment Techniques (Lecture/Lab)	2
RESP 302	Cardiopulmonary Anatomy and Physiology	3
RESP 303	Cardiopulmonary Pathology	4
RESP 311	Respiratory Therapy Procedures II (Lecture/Lab)	3
RESP 312	Diagnostics I	3
RESP 313	Diagnostics II (Lecture/Lab)	3
RESP 315	Advanced Pharmacology for Respiratory Therapy	3
RESP 320	Neonatal/Pediatrics for Respiratory Therapy I	3
RESP 325	Mechanical Ventilation (Lecture/Lab)	4
RESP 340	Application of Clinical Concepts	2
RESP 341	RT Clinical Experience I	3
RESP 342	RT Clinical Experience II	2
RESP 413	Evolving Roles of Respiratory Therapists (Lecture/Lab)	3
RESP 420	Advanced Neonatal/Pediatrics for Respiratory Therapy	3
RESP 421	Advanced Critical Care	3
RESP 430	Problems in Respiratory Therapy	4
RESP 443	RT Clinical Experience III	4
RESP 444	RT Clinical Experience IV	4
Total Hours		62

¹ Course required for application

Other Required Courses

Code	Title	Hours
ANTH 251	Human Diversity	3
BIOL 202	Human Anatomy & Physiology II	3
	or ANAT 207 Applied Human Anatomy & Physiology II	
BIOL 203	Human Anatomy & Physiology Laboratory II	1

or ANAT 211	Applied Human Anatomy & Physiology Lab II	
COMM 330	Principles of Organizational Supervision	3
NURS 446	Professional Nursing Leadership - RN Only ¹	3
PHIL 361	Biomedical Ethics	3
SOWK 244	Death & Dying	3
Total Hours		19

¹ Special permission granted by the School of Nursing

Recommended Sequence

1st Year

Fall Semester		Hours
ANTH 251	Human Diversity	3
CHEM 110	Introduction to General, Organic & Biochemistry I (Lecture) ^{1,2}	3
CHEM 111	Introduction to General, Organic & Biochemistry I (Laboratory) ^{1,2}	1
ENGL 111	English Composition I ¹	3
	Mathematics, Statistics, and Logic Requirement ^{1,3}	4
Hours		14

Spring Semester

BAHA 120	Medical Terminology ^{1,2}	3
BIOL 130	Principles of Microbiology ^{1,2}	3
COMM 105	Introduction to Public Speaking ¹	3
or COMM 106	or Effective Oral Communication	
ENGL 112	English Composition II ¹	3
or ENGL 222	or Technical Report Writing	
Hours		12

2nd Year

Fall Semester		Hours
BIOL 200	Human Anatomy & Physiology I ^{1,2}	3
or ANAT 206	or Applied Human Anatomy & Physiology I	
BIOL 201	Human Anatomy & Physiology Laboratory I ^{1,2}	1
or ANAT 210	or Applied Human Anatomy & Physiology Lab I	
RESP 100	Concepts in Respiratory Therapy ^{1,2}	3
SOWK 244	Death & Dying	3
	Arts Requirement	3
Hours		13

Spring Semester

	Arts/Humanities Requirement	3
BIOL 202	Human Anatomy & Physiology II ²	3
or ANAT 207	or Applied Human Anatomy & Physiology II	
BIOL 203	Human Anatomy & Physiology Laboratory II ²	1
or ANAT 211	or Applied Human Anatomy & Physiology Lab II	
RESP 210	Respiratory Therapy Procedures I (Lecture/Lab)	3

RESP 215	Respiratory Therapy Pharmacology	3
Hours		13

3rd Year

Fall Semester		Hours
PHIL 361	Biomedical Ethics	3
RESP 301	Cardiopulmonary Assessment Techniques (Lecture/Lab)	2
RESP 302	Cardiopulmonary Anatomy and Physiology	3
RESP 311	Respiratory Therapy Procedures II (Lecture/Lab)	3
RESP 312	Diagnostics I	3
RESP 340	Application of Clinical Concepts	2
Hours		16

Spring Semester

RESP 303	Cardiopulmonary Pathology	4
RESP 313	Diagnostics II (Lecture/Lab)	3
RESP 315	Advanced Pharmacology for Respiratory Therapy	3
RESP 320	Neonatal/Pediatrics for Respiratory Therapy I	3
RESP 341	RT Clinical Experience I	3
Hours		16

Summer Semester

RESP 325	Mechanical Ventilation	4
RESP 342	RT Clinical Experience II	2
Hours		6

4th Year

Fall Semester		Hours
COMM 330	Principles of Organizational Supervision	3
RESP 421	Advanced Critical Care	3
RESP 420	Advanced Neonatal/Pediatrics for Respiratory Therapy	3
RESP 443	RT Clinical Experience III	4
	Arts/Humanities Requirement	3
Hours		16

Spring Semester

NURS 446	Professional Nursing Leadership - RN Only ⁴	3
RESP 413	Evolving Roles of Respiratory Therapists (Lecture/Lab)	3
RESP 430	Problems in Respiratory Therapy	4
RESP 444	RT Clinical Experience IV	4
Hours		14
Total Hours		120

¹ Pre-admission coursework, students must apply by November 30th (see Application Deadline/Requirements).

² All courses must be completed with a grade of C or better and may only be repeated one time.

³ MATH 145 Algebra for Calculus is preferred.

⁴ Special permission granted by the School of Nursing

Policy Alert: By the end of your first 48 credit hours attempted, you should have completed your *required* General Education English, Math, and Communications (Speech) requirements.