

BACHELOR OF SCIENCE IN RESPIRATORY CARE IN RESPIRATORY CARE

(330) 941-1764

Respiratory care is an allied health profession concerned with the diagnostic evaluation, treatment, and management of patients with cardiopulmonary disorders. The respiratory care practitioner (RCP) is proficient in:

- therapeutic administration of medical gases and aerosols
- intermittent and continuous mechanical ventilation
- broncho-pulmonary hygiene
- basic and advanced cardiac life support techniques
- non-invasive patient monitoring
- pulmonary function evaluation
- arterial blood gas analysis
- airway management procedures
- pulmonary rehabilitation techniques

A licensed RCP must also be knowledgeable regarding various assessment techniques and patient education models. These skills are used with neonatal, pediatric, and adult patients in acute, sub acute, and home care settings. To function effectively as a member of the multidisciplinary health care team, the RCP must have a sound understanding of:

- the physiological, psychological, and cultural needs of the patient
- the role of the various therapeutic interventions in the patient care plan
- development of broad-based skills to more effectively contribute to the overall care of the patient

Theory and laboratory experiences are provided prior to the student's entry into the clinical education phase of the program. This program can be completed in four calendar years. It includes three summer sessions. A sleep diagnostics option is also available. Please visit Respiratory Care (http://web.yzu.edu/gen/bcohs/Respiratory_Care_m39.html) for more information.

Accreditation

The YSU Respiratory Care #200247 and Polysomnography Certificate #400247 Programs are accredited by the Commission on Accreditation for Respiratory Care (www.coarc.com).

Commission on Accreditation for Respiratory Care (CoARC)

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Bedford TX 76021-4244

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Learning Outcomes

The student learning outcomes for the major in respiratory care are as follows:

- Upon completion of the program, graduates will demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their roles as advanced-level respiratory therapists (cognitive domain).
- Upon completion of the program, graduates will demonstrate technical proficiency in all the skills necessary to fulfill their role as advanced level respiratory therapists (psychomotor domain).
- Upon completion of the program, graduates will demonstrate professional behavior consistent with employer expectations as advanced-level respiratory therapists (affective domain).

Bachelor of Science in Respiratory Care Completion Program

This online program is designed to provide a focused advancement option that will bridge the depth and breadth of knowledge of the certified or registered respiratory therapist who has graduated from a Commission on Accreditation for Respiratory Care (CoARC) accredited associate degree program to meet the clinical and leadership needs of the respiratory care profession. The core curriculum builds on the existing foundation of knowledge and skills in the areas of:

- advanced cardiopulmonary disease management
- advanced clinical applications
- clinical research
- leadership and technology related to the practice of respiratory care

For more information, please visit the Distance Education (<http://cms.yzu.edu/administrative-offices/distance-education/online-bachelor-science-respiratory-care-completion>) website.

For more information, you can also visit **Respiratory Care**.

Bachelor of Science Respiratory Care (BSRC) Curriculum

Course	Title	S.H.
Year 1		
Fall		
BIOL 1545	Allied Health Anatomy and Physiology	5
MATC 1501	Medical Terminology	3
MATH 2623	Quantitative Reasoning	3
ENGL 1550	Writing 1	3
CHEM 1505	Allied Health Chemistry 1	3
Semester Hours		17
Spring		
CHEM 1506	Allied Health Chemistry 2	3
CMST 1545	Communication Foundations	3
ENGL 1551	Writing 2	3
PHLT 1568 or PHLT 1531	Healthy Lifestyles or Fundamentals of Public Health	3
Semester Hours		12
Summer		
SOC 1500	Introduction to Sociology	3
PSYC 1560	General Psychology	3
Semester Hours		6
Year 2		
Fall		
RESC 1529	Respiratory Care Orientation	2
RESC 1531	Respiratory Care Essentials	3
MATC 2605	Introduction to Pharmacology	3
BIOL 1560	Microbiology for the Health Professions	2
MLT 2687L	Microbiology for Health Care Laboratory	1
PHIL 2625	Introduction to Professional Ethics	3
Semester Hours		14
Spring		
RESC 1503	Respiratory Procedures 1	4
RESC 1520	Respiratory Care Assessment 1	3
PHYS 1506	Physics for Health Care	3
AHLT 3705	Pharmacotherapeutics	3
Semester Hours		13

Summer		
RESC 2620	Respiratory Assessment 2	3
RESC 2621	Cardiopulmonary Disease	4
Semester Hours		7
Year 3		
Fall		
RESC 3706	Respiratory Procedures 2	3
RESC 3720	Mechanical Ventilation 1	3
AHLT 4806	Research Methods	3
AHLT 5840	Comparative Health Systems	4
Semester Hours		13
Spring		
RESC 2699	Clinical Practice 1	1
RESC 3708	Respiratory Clinical Specialties	3
RESC 3709	Neonatal/Pediatric Respiratory Care	4
RESC 3725	Mechanical Ventilation 2	3
RESC 3731	Respiratory Care Management	2
Semester Hours		13
Summer		
RESC 3740	Clinical Practice 2	4
RESC 3750	Pulmonary Rehabilitation	2
Semester Hours		6
Year 4		
Fall		
RESC 3765	Advanced Respiratory Care Diagnostics	3
RESC 3741	Clinical Practice 3	3
RESC 4831	Pulmonary Care Management	3
AHLT 4812	Advanced Cardiac Life Support	3
RESC 4838	Respiratory Seminar 1	1
RESC 4846	Sleep Diagnostics 1 ¹	3
RESC 4847	Sleep Clinics 1 ¹	1
Semester Hours		17
Spring		
RESC 4835	Clinical Practice 4	3
RESC 4842	Respiratory Seminar 2	1
AHLT 4820	Directed Research	2
Arts & Humanities Elective		3
Social & Personal Awareness Elective		3
RESC 4848	Sleep Diagnostics 2 ¹	3
RESC 4849	Sleep Clinics 2 ¹	1
Semester Hours		16
Total Semester Hours		134

¹ Sleep Diagnostics Option: Current YSU students are given preference into this restricted program. Program GPA will be the primary criteria to fill clinical slots for the Sleep Diagnostic certificate.

Students will be dismissed from the Respiratory Care program if more than two program courses need to be repeated OR their overall GPA falls below 2.00.

Entry in the final three respiratory care clinic courses **requires** successful ("C" or better) completion of all didactic/clinic respiratory care courses in the prior semester. Re-entry into the program will be determined on a case-by-case basis with a remediation program based on helping the student achieve success.