

# RESPIRATORY CARE

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Respiratory therapists are health care practitioners who are highly-skilled individuals who think critically while treating patients with breathing difficulties due to respiratory, cardiovascular, and other problems.

Respiratory therapists work with premature newborns to the elderly and they have diverse career opportunities from education, management, therapy, and sales.

This award winning program's multi-competent education and over 700 hours of clinical experience, will provide you with the knowledge, skills, professionalism and hands-on experience that will help you begin your career in the respiratory therapy field. Hands-on practice in our state-of-the-art respiratory lab includes high fidelity simulation, mechanical ventilation, and patient assessment using current equipment and practices. Rhodes State Respiratory graduates are employed as respiratory therapists in hospitals, clinics, cardiovascular technology, rehabilitation facilities, air and ground transport, pulmonary diagnostics, skilled nursing homes, and sleep study laboratories.

## Professional Credential and Licensure Information

### Credentialing:

#### 1. Certified Respiratory Therapists (CRTs)

Once a student has completed either a two-year associate's degree or a four-year bachelor's degree, they are eligible to take the national Therapist Multiple Choice exam.

#### 2. Registered Respiratory Therapists (RRTs)

Once respiratory therapists have successfully passed the Therapist Multiple Choice exam, they are eligible to take the national Clinical Simulation exam. Upon passing the Clinical Simulation exam, the therapist is awarded the RRT credential.

#### 3. For more information about the credentialing process: <https://www.nbrcc.org/>

### Licensure:

- All states (except Alaska) require licensure for respiratory therapists practicing in the United States. For more information on each state's requirements: <https://www.aarc.org/advocacy/state-society-resources/state-licensure-information/>
- Note: Respiratory Care Professionals in Ohio are required to have the RRT credential as a minimum requirement for state licensure.

## Mission Statement and Goals

The Respiratory Care Program prepares students to become competent, professional, advanced-level respiratory therapists.

The goal of the Respiratory Care program is to prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

## Program Learning Outcomes

Upon completion, the student will be able to:

- Demonstrate understanding of theoretical concepts including the ability to collect and evaluate patient data; and recommend procedures to obtain additional data.
- Initiate, conduct and independently modify prescribed therapeutic procedures and recommend modifications based on patient response.
- Display and maintain expected levels of professionalism in their appearance, interaction with others, and general conduct while performing their assigned duties.

## Notice to Prospective or Current Respiratory Care Students

You are at risk if you have been convicted of a prior felony and/or some misdemeanors. You may not be able to participate in clinical education experiences at some hospitals or other clinical sites, therefore, preventing you from completing the program. A criminal record may also prevent you from obtaining a license or certificate in your chosen healthcare profession.

### Technical Standards

See here for details.

### Tech Prep Partner

See here for details.

## "C" grade policy

- A minimum 2.0 GPA is required for graduation.
- A grade of "C" or higher must be achieved in all courses carrying the specific program prefix such as DHY, EMS, MAT, NSG, OTA, PNS, PTA, RAD, RES and SRG.
- All programs and certificates require a grade of "C" (2.0) or better in required science courses and in required basic/related health science (BHS) courses as well as in selected general education and basic/related science courses (see program requirements).

**All of the following required coursework needs to have been completed within five years of matriculation into a Health Sciences program or certificate. The five year limit may be waived by the Program Chair or Coordinator if the applicant is currently working in a healthcare field.**

Code	Title	Hours
BIO 1000	Basic Human Structure and Function	3
BIO 1110	Anatomy and Physiology I	4
BIO 1120	Anatomy and Physiology II	4
BIO 1400	Microbiology	4
BHS 1390	Medical Terminology	2
BHS 2110	Growth and Development: Lifespan	2
CHM 1120	Introductory Organic and Biochemistry	4
DTN 1220	Principles of Nutrition	2
NSG 1721	Pharmacology for Nursing	2

# Respiratory Care

## Associate of Applied Science Degree

### Structured Course Sequence (6 Semester Plan)

#### First Year

Pre-requisite Semester		Hours
SDE 1010	First Year Experience	1
BIO 1110	Anatomy and Physiology I	4
BHS 1000	Introduction to Patient Care	2
BHS 1390	Medical Terminology	2
CHM 1110	Introductory General Chemistry	4
or CHM 1120	or Introductory Organic and Biochemistry	

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**Term Hours** **13**

#### Fall

BIO 1120	Anatomy and Physiology II	4
RES 1090	Respiratory Care Pharmacology	2
RES 1110	Cardiopulmonary Anatomy and Physiology	4
RES 1010	Respiratory Care Procedures I	3
SOC 1010	Sociology	3

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**Term Hours** **16**

#### Spring

RES 1120	Pulmonary Diagnostics	3
RES 1410	Clinical Experience I	1
RES 1020	Respiratory Care Procedures II	3
COM 1110	English Composition	3
MTH 1151	Quantitative Reasoning	3

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**Term Hours** **13**

#### Summer

RES 2230	Respiratory Disease	2
RES 1420	Clinical Experience II	2
RES 2100	Respiratory Procedures III	3

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**Term Hours** **7**

#### Second Year


#### Fall

RES 2410	Advanced Clinical Experience I	3
BHS 2100	Advanced Cardiac Life Support	1
BHS 2200	Pediatric Advanced Life Support	1
RES 2200	Respiratory Procedures IV	3
BHS 2300	Neonatal Resuscitation	1

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**Term Hours** **9**

#### Spring

RES 2510 	Respiratory Care Capstone	1
RES 2430	Advanced Clinical Experience II	4
BHS 1560	Smoking Cessation Education	1
RES 2500	Respiratory Care Seminar	1

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**Term Hours** **7**

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**Total Hours** **65**

 Capstone Course

**Prerequisites:** Students should check course prerequisites before registering.

The Respiratory Care Program is a limited enrollment program. The program admits thirty- nine qualified students each fall semester. If more than thirty- nine are qualified, students will be ranked by date of qualification. Remaining students will be placed on wait list for the next program admission.

#### Qualification requires the following:

1. Completion of all pre-requisite courses with the following required grades:

- BHS-1000 (Introduction to Patient Care) \*: C or better
- BHS-1390 (Medical Terminology): C or better
- BIO- 1110 (Anatomy and Physiology I): C or better
- CHM 1120 (Introduction to Organic and Biochemistry) or CHM 1110 Introductory General Chemistry): C or better
- SDE-1010 (First Year Experience): C or better

**NOTE:** BHS-1390 and BIO-1110 must be successfully completed within five years and BHS-1000 within two years of program entry. This may be waived by the Program Chair if the applicant is currently working in a healthcare field.

2. Complete 16 hours of observation with a respiratory care practitioner in a hospital of the applicant's choice. Appointments with the hospital are made by the applicant. Observation forms are available from the Program Chair. In the event hospitals are not allowing in person observation, the Respiratory Program Chairperson will assign comparable assignments.

3. A 2.5 GPA is needed to qualify for the Respiratory Program.

4. Complete an interview with the Respiratory Care Program chairperson or director of clinical education.

Prior to enrollment in the first clinical course, the student must meet these requirements:

1. Provide the results of a physical examination including laboratory tests and completion of required immunizations and/or vaccinations before actual clinical course work can be started. The Respiratory Care program also has technical standards for which all students must be capable. These standards specify skills necessary to participate in learning activities and professional practice.
2. Complete an American Heart Association, BLS, Health Care Provider, CPR course prior to clinical course work. Must be maintained through to graduation.
3. Meet the expanding requirements of our clinical affiliates, students will be required to submit to drug screening prior to enrollment in the first clinical course (RES 1410 Clinical Experience I). Positive drug screens may result in dismissal from all clinical courses and consequently from the program. In addition to screening, all students in clinical courses are subject to random and for cause drug screens for the duration of the Respiratory Care program.
4. Complete mandatory criminal Ohio BCI and National FBI background checks. Anyone with a prior felony and/ or some misdemeanors are at risk of being dismissed from the program. A positive criminal record may also prevent an individual from obtaining a license to practice Respiratory Care following graduation. Please refer to the Criminal Background Checks and Drug Screening paragraph in the

Division of Health Sciences section of the current college catalog for details.

5. Be 18 years old.

The Respiratory Care program accepts students once a year in Fall Semester

Rhodes State College Respiratory Care Program number 200324 is accredited by the Commission on Accreditation for Respiratory Care ([www.coarc.com](http://www.coarc.com)),

CoARC  
264 Precision Blvd  
Telford, TN 37690 USA  
Telephone: 817-283-2835

Programmatic Outcomes Data are available here.

CoARC accredits respiratory therapy education programs in the United States. To achieve this end, it utilizes an 'outcomes based' process. Programmatic outcomes are performance indicators that reflect the extent to which the educational goals of the program are achieved and by which program effectiveness is documented.

The program has been accredited since its inception in 1980.

In 2018, 2019 and 2020 Rhodes State College Respiratory Care Program received The Distinguished RRT Credentialing Success Award. This award is presented as part of the CoARC's continued efforts to value the RRT credential as a standard of professional achievement. From a program effectiveness perspective, the CoARC views the RRT credential as a measure of a program's success in inspiring its graduates to achieve their highest educational and professional aspirations.

## Cardiographic Technician

The Cardiographic Technician certificate prepares students to use a variety of instruments and methods to perform diagnostic procedures such as Holter monitoring, stress testing, and electrocardiography. This type of work takes technicians into many different places and situations, from a relatively calm doctor's office to a chaotic emergency room. The variety of workplace environments provides flexibility, challenges, and satisfaction. The certificate courses cover cardiac anatomy and physiology, medical terminology, ECG interpretation, and advanced cardiac diagnostics. Upon completion of this certificate, the student will be eligible to take the Certified Cardiographic Technician (CCT) examination. The CCT examination is for professionals working in the areas of ECG, Holter monitoring, and stress testing.

## Cardiographic Technician Certificate

### First Year

First Semester		Hours
BHS 1390	Medical Terminology	2
BIO 1000 or BIO 1110	Basic Human Structure and Function or Anatomy and Physiology I	3-4
BHS 1530	12 Lead ECG Interpretation	1
BHS 1540	Advanced Cardiac Diagnostics	3
<b>Term Hours</b>		<b>9-10</b>
<b>Total Hours</b>		<b>9-10</b>