



Respiratory Therapy

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Associate in Applied Science Degree (5 semesters)

At a Glance

A respiratory therapist is responsible for administering, under physician's prescription, many types of breathing therapeutics, and utilizing specialized breathing, aerosol and humidification equipment. These include the use of oxygen or oxygen mixtures, chest physiotherapy, mechanical ventilation, and aerosol medications.

Respiratory therapists evaluate and treat all types of patients, ranging from premature infants whose lungs are not fully developed to elderly people whose lungs may be diseased. Respiratory therapists provide temporary relief to patients with chronic asthma or emphysema, as well as emergency care to patients who are victims of a heart attack, stroke, trauma, drowning, or shock.

They perform limited physical examinations, and conduct diagnostic tests that assess breathing capacities and determine the concentration of oxygen and other gases in patients. The respiratory therapist works closely with the physician and also directly with the patient in the treatment situation by performing regular assessments of patients and equipment.

Program Description

This program is designed to provide necessary training for successful completion of the requirements for the advanced practitioner level as defined by the National Board for Respiratory Care (NBRC). A respiratory therapist is responsible for administering under physician's prescription many types of breathing therapeutics, and utilizing specialized breathing, aerosol, and humidification equipment. The respiratory therapist works closely with the physician and also directly with the patient in the treatment situation, which is an attractive feature of this career. The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) (www.coarc.com). Upon graduation the student is eligible to apply to take the registry examination of the National Board of Respiratory Care.

Admission Requirements

1. Unconditional admission to the college – College application must be submitted by the program application deadline.
2. Student must be in good standing with the college.
3. Receipt of complete program applications accepted between March 1 and June 1 for Fall entry.

Applications received after the deadline will be considered on a space available basis.

4. The online application is located at www.wallacestate.edu Online application instructions are under the Application to Program tab. Upon completion of the online application, all applicants are required to submit a Verification Sheet with all necessary documentation attached. The Verification Sheet, along with full instructions, can be found on Page 3 of the Online Application Instructions.
5. Official transcripts from each college attended must be provided to the Admissions Office and all unofficial transcripts must be attached to the program application Verification Sheet.
6. Student must meet the essential functions and technical standards required for the program as documented on the required WSCC physical form at www.wallacestate.edu-see Physical Form Essential Functions.
7. A minimum of 18 ACT composite score (National or Residual) is required for admission consideration. Proof of score must be submitted with the application Verification Sheet.
8. Meet all the general admission requirements of WSCC.
9. Attain a minimum GPA of 2.5 or greater on a 4.0 scale with a grade of "C" or better on all general required pre-RPT courses. GPA calculated for program selection will be on the general required pre-RPT courses excluding ORI 110.
10. All prerequisite general required courses must be completed prior to beginning the Respiratory Therapy major courses in fall semester. It is the responsibility of each applicant to insure that his or her application is complete and that all prerequisite general education required courses have been completed.

Selection and Notification

1. The Respiratory Therapy Program admits applicants in the fall semester each year.
2. Program applications will be reviewed for completion of program admission requirements. Written notification of the outcome of each application will be mailed to the student at the address provided on the application.
3. All other factors being equal, applicants will be ranked by ACT score to determine admission if there are more applicants than can be accepted.

Program Expectations

Students admitted into the Respiratory Therapy program are expected to comply with the Health Science Program Regulations and Expectations as published in the Programs of Study section of the Wallace State College Catalog.

Required Competencies

Respiratory Therapy Students must demonstrate numerous competencies representing all three learning domains: the cognitive, psycho motor, and affective domains. Students learn, practice, and verify these competencies in a number of settings including the classroom, laboratory, and clinic. Respiratory therapy laboratories provide students with the opportunity to view demonstrations, evaluate and practice with medical devices, and perform simulated clinical procedures. In addition to the cognitive skills required in the classroom, students must demonstrate psycho motor skills in manipulation of patients and equipment, as well as general professional behaviors, like team-building and interpersonal communications. To satisfy laboratory and clinic requirements, students must perform all procedures without critical error.

Upon Admission

In order to enroll in the program after acceptance, students must attend a mandatory orientation session. A student who fails to respond will forfeit his/her place in the class. A signed consent to drug testing is required prior to enrollment.

Upon acceptance into the program, students must submit a physical examination form (current within one year), which includes documentation of immunizations along with evidence of having begun the Hepatitis B vaccinations. Students are required to provide proof of current CPR certification from a health care provider course as well as proof of health insurance prior to attending clinical.

Students will also be required to successfully complete a background check and drug screening.

Progression

RPT students must achieve a "C" or above in all general and major required courses. Students who fail to achieve a "C" or above in a major required course cannot progress and will be dismissed from the Program and must re-apply for readmission. A minimal grade of 75 constitutes a "C" in Respiratory Therapy courses.

Readmission to Program

Level I Students (First, Second and Third Semester Students)

1. Any student that leaves the program for any reason, (academic or personal) during the first three semesters must start the program from the beginning.

2. These students must re-apply to the program prior to the June 1st deadline. If the student fails to progress during the summer semester they must re-apply within 1 week of the last day of attendance.
3. A student who fails to progress during the first three semesters is not automatically ranked and/or re-entered.
4. All first, second and third semester students will be ranked along with all other applications and will be accepted based on the ranking process.
5. It is strongly encouraged that if a student is not doing well in a course and is wanting to re-apply for the next year that they seek advice from a program advisor/faculty member about dropping the RPT courses to help their GPA and the ranking process.
6. Any student dismissed from the program for disciplinary reasons will not be allowed to re-enter the program/ nor eligible to re-apply.

Level II Students (Fourth and Fifth Semester Students)

1. Students leaving the program during the fourth or fifth semester will be allowed to re-enter, and take only the classes that were not passed or completed. However, it is mandatory that the re-entry student must re-take the clinical course (RPT 230 or RPT 240) as well. Even if the student has a passing grade in the clinical course, clinical must be repeated in order for the program to report to the Alabama State Board of Respiratory Therapy that the student is in "Good Standing within the Program".
2. Level II students must notify the program director at least one month prior to the beginning of the semester they are expected to re-enter. They are also responsible for registering for the courses to be repeated and the clinical course (RPT 230 or RPT 240) for that semester.

Career Path

As a Respiratory Therapist, you will have numerous opportunities to specialize and advance. If you are in clinical practice, you can change from general care to care of critical patients who have extensive problems with other organ systems such as the heart or kidneys. You can also advance to supervisory or managerial positions in a respiratory therapy department. Respiratory Therapists working in home health care and equipment rental facilities may become branch managers.

Specializations

- Respiratory Therapists may work in neonatal-pediatrics in children's hospitals and general hospitals with neonatal-pediatric wards.
- Pulmonary rehabilitation therapists provide care and education to patients with chronic lung diseases like asthma, emphysema, chronic bronchitis, and pulmonary fibrosis.
- Want to help people sleep better? Then specializing in polysomnography may be for you.

Sleep laboratories generally employ Respiratory Therapists who often work the night shift when the sleep studies are conducted.

- Home care work is often a next good step for you if like to visit with patients and be out and about. Most Respiratory Therapists working in home care have extensive experience working in a hospital or other health care setting since home care necessitates a lot of independent thinking.
- If you like doing detective work to solve a mystery, then working in pulmonary diagnostics is a good specialization for you. By conducting pulmonary function tests, you help physicians diagnose whether a patient has a lung disease and, if so, which one.

Job opportunities are expected to be very good, especially for respiratory therapists with cardiopulmonary care skills or experience working with infants. Employment of respiratory therapists is expected to increase faster than average through 2018 due to substantial growth in the numbers of the middle-aged and elderly population and the expanding role of respiratory therapists in the early detection and treatment of pulmonary disorders.

There are also job opportunities for respiratory therapists with advanced cardiopulmonary care and neonatal care experience.

Although hospitals will continue to employ the vast majority of therapists, a growing number can expect to work outside of hospitals in home health care services, offices of physicians or other health practitioners, or consumer-goods rental firms.

Median annual earnings of respiratory therapists were \$59,640 in May 2015. (Source: U.S. Department of Labor Bureau of Labor Statistics)

Additional career advancement opportunities exist in education, administration, research, and in commercial companies as clinical specialist, pharmaceutical sales, and technical support. Students wanting to earn a four year degree may do so by transferring to Athens State University – Bachelor of Science in Health Science.

NOTE: The Guided Pathways Curricular Maps below contain all the elements required for degree/certificate completion. However, courses may be offered or taken in other semesters so long as prerequisites are met. Additional options for elective courses are available. Please see Degreeworks for allowable substitutions. Courses may be available days, nights, hybrid, and online. Sample maps for part-time attendance may also be available. Please see an advisor.

ASSOCIATE DEGREE:

OPTION I – AAS RESPIRATORY THERAPIST – Guided Pathway/Map

1st Semester

ENG 101 English Composition I	3
MTH 100 Intermediate College Algebra	3
BIO 201 Human Anatomy and Physiology I	4
ORI 110 Freshman Seminar	1
Total Semester Credit Hours	11

2nd Semester

RPT 210 Clinical Practice I	2
RPT 211 Introduction to Respiratory Care	2
RPT 212 Fundamentals of Respiratory Care I	4
RPT 213 A&P for the Respiratory Therapist	3
RPT 214 Pharmacology of the Respiratory Therapist	2
Total Semester Credit Hours	13

3rd Semester

RPT 220 Clinical Practice II	2
RPT 221 Pathology for the Respiratory Therapist I	3
RPT 222 Fundamentals of Respiratory Care II	4
RPT 223 Acid Base and ABG Analysis	2
BIO 202 Human Anatomy and Physiology II	4
Total Semester Credit Hours	15

4th Semester

RPT 231 Pathology for the Respiratory Therapist II	3
RPT 234 Mechanical Ventilation	4
RPT 254 Patient Assessment Techniques	2
IDS 102 Ethics	3
Total Semester Credit Hours	12

5th Semester

RPT 230 Clinical Practice III	2
RPT 242 Perinatal / Pediatric Respiratory Care	3
RPT 232 Diagnostic Procedures	2
RPT 244 Critical Care Considerations	2
ENG 102 English Composition II	3
Total Semester Credit Hours	12

6th Semester

RPT 240 Clinical Internship	4
RPT 233 Special Procedures	2
RPT 241 Pulmonary Rehabilitation & Homecare	2
RPT 243 Computer Applications / RRT Review	2
PSY 200 General Psychology	3
Total Semester Credit Hours	13
TOTAL CREDIT HOURS	76