

# 2019-2020 TTC Catalog

## Respiratory Care

### Associate in Applied Science in Respiratory Care

#### 81 Credit Hours

Respiratory care is a health sciences specialty that focuses on the treatment, management, control, diagnostic evaluation and care of patients with deficiencies and abnormalities associated with the cardiopulmonary system.

TTC's Respiratory Care program prepares students for employment as advanced-level respiratory care practitioners. The Respiratory Care program is housed on Main Campus.

#### Accreditation

Commission on Accreditation for Respiratory Care  
1248 Harwood Road  
Bedford, TX 76021-4244  
817.283.2835  
[www.coarc.com](http://www.coarc.com)

#### General Education Core Requirements

BIO 210 Anatomy and Physiology I 4  
BIO 211 Anatomy and Physiology II 4  
ENG 101 English Composition I 3  
PSY 201 General Psychology 3  
REQ HUM            Select from            3  
[Humanities](#)

Total: 17

#### Major Requirements

AHS 104 Medical Vocabulary-Anatomy 3  
AHS 170 Fundamentals of Disease 3  
BIO 225 Microbiology 4  
RES 110 Cardiopulmonary Science I 2  
RES 111 Pathophysiology 2  
RES 121 Respiratory Skills I 4  
RES 131 Respiratory Skills II 4  
RES 140 Introduction to Mechanical Ventilation 2  
RES 142 Basic Pediatric Care 2  
RES 150 Clinical Applications I 4  
RES 152 Clinical Applications II 3  
RES 205 Neonatal Respiratory Care 2  
RES 210 Cardiopulmonary Science II 3

RES 220 Hemodynamic Monitoring 1  
RES 235 Respiratory Diagnostics 4  
RES 243 Mechanical Ventilation II 2  
RES 246 Respiratory Pharmacology 2  
RES 247 Advanced Respiratory Pharmacology 2  
RES 249 Comprehensive Applications 2  
RES 253 Advanced Clinical Studies I 6  
RES 254 Advanced Clinical Studies II 7

Total: 64

Applicants will be admitted to this program on a first-qualified, first-admitted basis. Applicants are considered to be qualified for admission to the next available class when they meet all college and program requirements. Classes in this program begin Summer Semester.

### **APPLICANTS MUST COMPLETE ALL OF THE FOLLOWING REQUIREMENTS**

1. **General College Admission Requirements** Achieve admission to TTC by meeting the college's requirements for associate degree programs. Please note that applicants not achieving appropriate test scores will be required to complete courses indicated by placement test scores.  
*Note: Admission to the college does not guarantee admission to the Respiratory Care program.*
2. **Program Admission Requirements** Applicants should ensure that documentation of each of the following admission requirements is on file in the Admissions office as soon as it is completed. Information may be submitted in person or by mail to:  
Trident Technical College  
Admissions Office, AM-M  
(Student Center, Bldg. 410, Room 110)  
P.O. Box 118067  
Charleston, SC 29423-8067

Upon admission to the College and submission of official high school and college transcripts, complete the online **Health Sciences Application** through the TTC Portal. Once the application is received complete, the following prerequisite steps:

- a. Achieve qualifying scores on the TTC placement test, SAT or ACT; or complete RWR 100 Integrated Transitional Reading and English and MAT 102 Intermediate Algebra with a minimum grade of C; or complete the equivalent courses with a minimum grade of C from an approved, regionally accredited postsecondary institution.  
Complete BIO 210 Anatomy and Physiology I or equivalent with a grade of C or better. This course must have been taken within five years of acceptance into the program.
- b. Achieve a minimum cumulative 2.75 GPA at the time of acceptance and at date of entry into the program.

- c. Complete the online Information Session on the TTC Portal page for Respiratory Care and achieve a 100% score on the online quiz following the session to verify the information was reviewed and understood.

### **3. General Admission Procedures for the Respiratory Care Program**

Applicants who meet college and program requirements will be considered qualified and will be admitted on a first-qualified, first-admitted basis. Qualified applicants will be notified via my.tridenttech.edu email indicating the year and semester that they have been admitted. Students will be required to provide a completed, current Health Sciences – Student Health Record including all immunizations and titers, TB (PPD) tests, as well as current Healthcare Provider CPR certification, major medical insurance and medical professional liability coverage.

Students will also be notified by my.tridenttech.edu email the date and time of the mandatory program orientation. Failure to attend will result in forfeiture of seat in the program.

*Note: Falsification of any information submitted will make a student ineligible for admission to or continuation in the Respiratory Care program.*

### **Course Progression**

To progress to the next Respiratory Care course, students must:

1. Earn a C or better in all courses required for the program.
2. Earn a satisfactory grade of S on all professional development evaluations.