

RESPIRATORY CARE, ASSOCIATE OF APPLIED SCIENCE



Program Information

As a respiratory care practitioner, breathing easily will become your expertise. Passionate practitioners care for a variety of patients, including newborn infants in respiratory distress, children with asthma or pneumonia, adult victims of trauma, and older patients with emphysema or cardiac failure.

The San Jacinto College Respiratory Care program:

- Offers a comprehensive curriculum for the preparation of respiratory care practitioners in the field of respiratory therapy, and is accredited by the Commission on Accreditation for Respiratory Care;
- Prepares students for the responsibility of treatment, management, control, diagnostic evaluation, and care of patients with deficiencies and abnormalities of the cardiopulmonary system; and
- Allows graduates to gain hands-on experience as respiratory care practitioners by administering therapeutic gases, medications, chest therapy, pulmonary function testing, arterial blood gas analysis, hemodynamic monitoring, and mechanical ventilation to patients in hospitals in the greater Houston area, including the Texas Medical Center.

Additional Information

Upon completion, students are eligible for admission to the credentialing examinations for respiratory therapy offered by the National Board for Respiratory Care (CRT and RRT) and may also apply for a Respiratory Care Practitioner License from the Texas Medical Board.

Career Opportunities

Employment of respiratory therapists is expected to increase faster than the average for all occupations according to the Bureau of Labor Statistics, because of substantial growth of the middle-aged and elderly population. Respiratory Therapists are employed in:

- Hospitals,
- Respiratory therapy clinics,

- Nursing homes,
- Home health agencies, and
- Firms that supply respiratory equipment for home use.

Earning Potential

Respiratory Therapist: \$61,408¹ per year

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2019

For more information, students may contact 281-998-3612.

Campus

Central Campus

Links

Application packet and other important information: www.sanjac.edu/career/respiratory-care/

Information

A criminal background check and drug screen is required for all Respiratory Care students attending clinical courses, or practicum, and may be required prior to admission to the program.

The department of Respiratory Care offers an Associate of Applied Science (AAS) degree. Graduates are qualified to apply to take the Therapist Multiple-Choice Examination administered by the National Board for Respiratory Care for credentialing.

Due to the limited number of clinical spaces, students are admitted on a competitive basis. All candidates must be counseled by the department of Respiratory Care at San Jacinto College Central campus.

Philosophy

The philosophy of the department of Respiratory Care adheres to the philosophy of San Jacinto College. Respiratory Care is the allied health discipline that provides care through the use of diagnostic testing to patients with abnormalities of the cardiopulmonary systems. Respiratory therapists practice their specialty under the direction of licensed physicians and perform their duties in a variety of settings, including intensive care units, neonatal/pediatric special care units, general hospital wards, emergency/trauma units, extended care facilities, and the home.

Due to the nature of the services provided, respiratory therapists must be able to apply knowledge gained through academic education to clinical problems and rationally care for the patient. Graduates of the San Jacinto College Respiratory Care program are prepared as contributing members of the health care team.

Objectives

Upon completion of the Respiratory Care program, the student should be able to:

1. Utilize patient care processes and scientific principles to provide respiratory care to patients in health care facilities.
2. Participate as a contributing member of the health care team.

3. Assume personal responsibility for continued learning in order to maintain professional competency and promote the advancement of the field of respiratory therapy.
4. Successfully complete the credentialing examinations administered by the National Board for Respiratory Care.

Program Admission Criteria

Applicants must meet all College general admission requirements.

Before submitting an application, applicants must complete twelve (12) semester hours as specified below with a grade of at least C in each of those courses.

Code	Title	Credits
BIOL 2301 & BIOL 2101	Anatomy and Physiology I (Lecture) and Anatomy and Physiology I (Lab)	4
BIOL 2302 & BIOL 2102	Anatomy and Physiology II (Lecture) and Anatomy and Physiology II (Lab)	4
Select one of the following:		3
MATH 1314	College Algebra	
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	
MATH 1342	Elementary Statistical Methods (Statistics)	
Higher level Math		
RSPT 1101	Introduction to Respiratory Care	1

All applicants are required to attend a mandatory information session. The dates and times for the sessions are published on the College's website at <http://www.sanjac.edu/career/respiratory-care> (<http://www.sanjac.edu/career/respiratory-care/>)

Students must apply for admission to the Respiratory Care program by submitting a formal application and copies of transcripts to the Respiratory Care program office (C-11.1053). Applicants must also complete a background check at www.CastleBranch.com (<http://www.CastleBranch.com>) using the package code sy46bg.

Students who apply for admission to the Respiratory Care program will be ranked based on their scoring on the Respiratory Care Selection Criteria Scoring Rubric. Meeting the minimum requirements for admission does not guarantee admission.

A student currently on academic probation is ineligible to enroll in the Respiratory Care program.

Applicants to the Respiratory Care program will be notified by email regarding their program admission status. Applicants who are not selected for admission to the Respiratory Care program may re-apply. Applicants who are accepted for admission into the Respiratory Care program but who do not enroll must re-apply to be considered for admission at a later date.

After acceptance into the program, all applicants must have a physical examination by a licensed physician, physician's assistant, or nurse practitioner, documentation of updated immunizations, and a drug screening.

Respiratory Care students must earn a grade of C or better in all Respiratory Care (RSPT) courses, science, and mathematics courses and must maintain an overall grade point average of at least 2.0 in order to graduate from the Respiratory Care program. If the student earns a grade of D, W, or F in a Respiratory Care course, the student will be required

to repeat the course in which the unsatisfactory grade was earned and pass that course with a grade of C or better in order to progress in the program. A second earned grade of D, W, or F in a Respiratory Care course will result in the student's dismissal from the program. To request re-admission into the program, the student must submit a written petition to the Respiratory Care Admission Committee. If re-admission is granted, the student must satisfy the re-admission criteria specified by the Committee to continue in the program.

All students should take the required academic foundation courses in sequence along with professional course work.

Application Periods

- Jan. 1 through June 1
- Sept. 1 through Nov. 1

Classes begin each fall and spring term. For more information, students may contact the Respiratory Care program at 281-998-3612.

Application packet and other important information: www.sanjac.edu/career/respiratory-care (<https://www.sanjac.edu/career/respiratory-care/>)

Plan of Study

Central Campus
3RESP

Prerequisites	Credits	
RSPT 1101	Introduction to Respiratory Care	1
BIOL 2301 & BIOL 2101	Anatomy and Physiology I (Lecture) and Anatomy and Physiology I (Lab)	4
BIOL 2302 & BIOL 2102	Anatomy and Physiology II (Lecture) and Anatomy and Physiology II (Lab)	4
Select one of the following: ¹		3
MATH 1314	College Algebra (or higher)	
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	
MATH 1342	Elementary Statistical Methods (Statistics)	

Credits **12**

First Term

RSPT 1310	Respiratory Care Procedures I	3
RSPT 1225	Respiratory Care Sciences	2
RSPT 1340	Advanced Cardiopulmonary Anatomy and Physiology	3
ENGL 1301	Composition I	3
RSPT 1160	Respiratory Care Clinical I	1

Credits **12**

Second Term

RSPT 1360	Respiratory Care Clinical II	3
RSPT 1311	Respiratory Care Procedures II	3
RSPT 2310	Cardiopulmonary Disease	3
RSPT 2314	Mechanical Ventilation	3

Credits **12**

Summer Year One Term

RSPT 2360	Respiratory Care Clinical III	3
RSPT 2371	Mechanical Ventilation II	3

RSPT 2217	Respiratory Care Pharmacology	2
Credits		8
Third Term		
RSPT 2361	Respiratory Care Clinical IV	3
RSPT 2355	Critical Care Monitoring	3
RSPT 2353	Neonatal/Pediatric Cardiopulmonary Care	3
Language, Philosophy, and Culture (Humanities) or Creative Arts (Fine Arts)		3
Credits		12
Fourth Term		
RSPT 2362	Respiratory Care Clinical V	3
RSPT 2130	Respiratory Care Examination Preparation	1
PSYC 2301	General Psychology	3
RSPT 2325	Cardiopulmonary Diagnostics	3
Credits		10
Total Credits		66

Capstone Experience: RSPT 2325 Cardiopulmonary Diagnostics

Verification of workplace competencies.

¹ Students desiring to obtain a baccalaureate degree should take MATH 1314 College Algebra.

Note: Course outline is representative of fall entry only. Adjustments will be made for spring entry. For further information concerning respiratory care accreditation, students may write or call:

CoARC
1248 Harwood Rd.
Bedford, Texas 76021-4244

817.283.2835 or visit <http://www.coarc.com/>