HOW TO APPLY:
Applicants apply online using the Allied Health Centralized Application Service at
https://ahcas.liaisoncas.com

DEADLINE FOR APPLICATIONS:
February 1st

FINANCIAL INFORMATION:
Office of Financial Aid
504-568-4820
www.lsuhsc.edu/no/students/financialaid

THE DEPARTMENT OF CARDIOPULMONARY SCIENCE
RESPIRATORY THERAPY PROGRAM
is accredited by the Commission on Accreditation for Respiratory Care
P.O. Box 54876
Hurst, TX 76054-4876
(817) 283-2835
www.coarc.com

LSUHSC-NO is an equal opportunity/access university.
PREREQUISITE COURSES

**English Composition** 6 hours

**Humanities** 9 hours

**Chemistry (General and Laboratory)** 8 hours

**Mathematics (Algebra and Trigonometry)** 6 hours

**Biology (General and Laboratory)** 8 hours

**Human Physiology** 3 hours

**Science Elective** 3 hours

**Psychology (General)** 3 hours

**Physics (General and Laboratory)** 4 hours

**Microbiology (General and Laboratory)** 4 hours

**Art Elective** 3 hours

**Sociology** 3 hours

Total 60 hours

*Humanities recommended: English, Technical Writing, Advanced Composition, or Foreign Language

**If Human Physiology is not offered by the institution, Human Anatomy & Physiology may be substituted

***Science electives recommended: Human Anatomy, Organic Chemistry, or Embryology

****Art Electives recommended: Music, Art, Dance, or Theater

CARDIOPULMONARY SCIENCE

The Department of Cardiopulmonary Science offers a bachelor's degree in Cardiopulmonary Science. The Department provides professional preparation in the allied health specialties of respiratory therapy (including polysomnography) and cardiovascular sonography. The goal of the respiratory therapy 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).

WHO IS A RESPIRATORY THERAPIST?

- Respiratory therapists provide evaluation, treatment, care, and education of patients with breathing disorders.
- Respiratory therapists treat a wide variety of patients, from the premature infant with undeveloped lungs, to the child with asthma, to the elderly patient with emphysema.
- The respiratory therapist is a vital part of the hospital's lifesaving response team.

WHO IS A POLYSOMNOGRAPHIC TECHNOLOGIST?

- Specialist who performs a vital role in the evaluation, diagnosis, and treatment of sleep/arousal disorders.

WHAT TYPES OF PROCEDURES DO RESPIRATORY THERAPISTS PERFORM?

- Operate and maintain sophisticated medical equipment and devices that require a knowledge and love of technology (Go-to experts for respiratory care)
- Manage mechanical ventilation and artificial airway devices for patients who have difficulty breathing
- Obtain and analyze sputum, breath, and blood specimens
- Administer medications in aerosol form to relieve breathing problems and treat respiratory infections
- Interview patients and perform chest physical exams
- Consult with physicians to recommend or change a therapy, based on evaluation of the patient
- Educate patients and families about lung disease
- Provide smoking cessation and disease management for patients with asthma and COPD
- Perform cardiopulmonary exercise stress testing
- Evaluate patients for the presence of sleep disorders

WHAT DO I NEED TO DO TO APPLY TO THE CARDIOPULMONARY SCIENCE RESPIRATORY THERAPY/POLYSOMNOGRAPHY PROGRAM?

- Complete not less than 60 hours, or its equivalent, of acceptable credit prior to registration.
- Complete all prerequisites with a grade of C or better, with a minimum GPA of 2.5 in the prerequisite courses.