Application Process

The Department of Cardiopulmonary Science participates in the Allied Health Centralized Application Service (AHCAS). Applicants will apply online using the AHCAS application beginning in September.

Application Deadline

February 1st

cps@lsuhsc.edu

1900 Gravier Street, 6th Floor
New Orleans, LA 70112

(504) 568-4227





Information Sessions

Virtual information sessions are offered the first Thursday of each month. Interested potential students should email the department to sign up for an information session.

Tour Information

Appointments are arranged for individuals who would like to visit the campus and ask questions in person. Please contact the department via email or phone to make arrangements.

Social Media

@cpslsuhscno



LSU Health NEW ORLEANS

Cardiovascular Sonography

Cardiovascular Sonography

The merging of cardiac sonography and vascular technology

Cardiac Sonography

Cardiac sonography involves the use of high frequency sound to noninvasively imager the beating heart. This permits the diagnosis of many cardiac abnormalities.

Vascular Technology

Vascular technology involves the use of ultrasound and other noninvasive techniques to diagnose disorders of the circulatory system.

Two-dimensional, color Doppler, and spectral Doppler ultrasound is used to image blood vessels and blood flow velocities.

About the Program

The Department of Cardiopulmonary Science offers a bachelor's degree in Cardiopulmonary Science, specializing in respiratory therapy or cardiovascular sonography.

The goal of the cardiovascular sonography program is to prepare cardiovascular technologists in cognitive, psychomotor, and affective learning domains to enter the professions of adult cardiac sonography and noninvasive vascular study.

LSU Health New Orleans, Cardiovascular Sonography offers:



A two-year curriculum that includes courses in human anatomy (with cadaver dissection), cardiopulmonary physiology, pharmacology, and electrocardiography. These courses provide a strong foundation to understand the processes necessary to aid in the diagnosis of cardiovascular disease.

Four semesters of 3-4 days per week clinical rotations that provide each student with hands-on practice to be competent and confident when beginning work after graduation.

Becoming a Cardiovascular Sonographer

Students completing the program are eligible to earn the following:

Prior to graduation:

- Sonography Principles and Instrumentation registry
- Adult Echocardiography registry

After graduation:

- Registered Diagnostic Cardiac Sonographer (RDCS) credential
- Registered Vascular Technologist (RVT) credential

Admission Requirements

Applicants must meet the following:

- Completion of 60 credit hours (or equivalent) prior to registration
- Minimum grade point average GPA of 2.5 (based on a 4.0 scale) in prerequisite courses
- Satisfactory grade of "C" or higher in prerequisite coursework

Prerequisite Courses

English Composition	6 hours
Humanities	9 hours
Chemistry (General and Lab)	8 hours
Biology (General and Lab)	8 hours
Mathematics (Algebra and Trigonometry)	6 hours
Human Physiology	3 hours
Science Elective	3 hours
Psychology (General)	3 hours
Physics (General and Lab)	4 hours
Microbiology (General and Lab)	4 hours
Art Elective	3 hours
Sociology	3 hours
Total	**60 hours**

Program Accreditation

The Department of Cardiopulmonary Science program in adult echocardiography is accredited by the Commission of Allied Health Education Programs (CAAHEP)

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