

What Is Cardiopulmonary Sciences?

At the University of Central Florida the cardiopulmonary sciences program is a highly regarded bachelor's degree program which has provided many of the clinical leaders currently working in respiratory care for the State of Florida since its inception in 1968. Many department managers, clinical supervisors, respiratory care educators, and highly skilled clinical practitioners call the UCF cardiopulmonary sciences program home, and we are justly proud of them and their many professional accomplishments inside respiratory care and the greater healthcare environment we all serve.

Why Be A Respiratory Therapist?

As a Respiratory Therapist, you can work flexible hours, earn a good salary, have career mobility, and be a part of one of the fastest growing allied health occupations. Respiratory Therapy is an exciting career where practitioners care for individuals with heart and lung disorders and work in areas such as intensive care unit, post-operative recovery, home care, and cardiopulmonary rehabilitation.

Acquired Skills

Ability to analyze and solve critical clinical problems
Enhanced public communications skills
Management of complex medical equipment
Critical thinking

Cardiopulmonary Sciences

The educational preparation of cardiopulmonary sciences students relates to the use of diagnostic procedures and therapeutic aids in the treatment of patients with deficiencies, disease, and abnormalities associated with the cardiopulmonary system. Each student is expected to exercise considerable independent judgment in activities including patient assessment, physiologic monitoring, and care of patients requiring advanced life support and cardiac resuscitation.

Needed Skills

Psychomotor capabilities
Ease in working in teams or alone when necessary
Ability to lead others when necessary
Discretion when dealing with confidential information
Communication and time management skills
Ethical personal behavior
Ability to work under pressure

Career Services &
Experiential Learning
Ferrell Commons, Room 185
Phone: 407-823-2361
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First Year Advising & Exploration
Phillips Hall, 116
Phone: 407-823-3789
Email: fy@mail.ucf.edu

College of Health and Public Affairs
Office of Undergraduate Student Services
Health and Public Affairs II, 115
Phone: 407-823-0010

CARDIOPULMONARY SCIENCES

What Can I Do With This Major?



Division of Academic Affairs

Courses I Will Need To Take

Biology
Microbiology
Human Anatomy
Human Physiology
Chemistry for Health Sciences or higher
College Physics
Introduction to Respiratory Care
Cardiopulmonary Physiology
Pathophysiologic Mechanisms
Medical Pharmacology
HIV Disease: A Human Concern
Chest Medicine
Life Support Systems
Mechanical Ventilation
Epidemiology
Pulmonary Function Studies
Pediatric Respiratory Care
Clinical Practice
Cardiopulmonary Diagnostics
Neonatal Medicine
Problems in Patient Management
Selected Topics in Respiratory Care
Respiratory Disease Assessment

Limited Access Program

Limited Access- separate application to the program must be made directly to the program on or before February 1 of the year admission is sought. UCF application must be submitted by the program deadline of February 1. Acceptance to UCF is necessary before acceptance to the program can occur. A criminal background check must be on file before a personal interview is scheduled. Students must complete all program prerequisites prior to the start of the program. All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of "C".



University of Central Florida Career Services & Experiential Learning

TWO YEAR PLAN OF STUDY

Freshman

Fall	16 hrs
ENC1101	3 hrs
*CHM 1032 w/lab	3/1 hrs
*BSC 2010C	4 hrs
Psy/Soc/Ant	3 hrs
HSC 2000	2 hrs
Spring	16 hrs
ENC1102	3 hrs
*MCB 2004C	4 hrs
*MAC 1105	3 hrs
EUH 2000/HUM 2211/AMH 2010	3 hrs
MAC 1114	3 hrs
Plan your required 9 summer hours into your course of study	

Sophomore

Fall	14 hrs
*PHY 2053C	4 hrs
*ZOO 3733C	4 hrs
EUH 2001/HUM 2230/AMH 2020	3 hrs
*STA 2023	3 hrs
Spring	13 hrs
*PCB 3703 C	4 hrs
SPC 1600	3 hrs
ECO 2013 or POS 2041	3 hrs
Art/Music/Lit	3 hrs

*"C" (2.0) or better required in each pre-e requisite course.



Department of Health Professions

HPA II 210

(407) 823-2359

<http://www.cohpa.ucf.edu/health.pro/>

Gaining Experience

Experiential Learning

- <http://www.coop.ucf.edu/>

Orlando Regional Medical Center

- <http://www.orlandoregional.org/>

UCF College of Health and Public Affairs

- <http://www.cohpa.ucf.edu/>

Arnold Palmer Hospital

- <http://www.arnoldpalmerhospital.org/>

Florida Medical Facilities

- http://www.minoritynurse.com/about/hospitals_fl.html

American Association for Respiratory Care

- www.aarc.org

Academic On-Campus Contacts

First Year Advising

Phillips Hall

PH116

407-823-3789

College of Health & Public Affairs

HPA2 210

(407) 823-2359