

RESPIRATORY CARE (A.S.)

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Delivery Method(s): On-Campus

Location(s): Melbourne

Limited Access: Yes

Program Testing Requirements: Assessment in Reading, Writing, and Math

Academic Community: HSCI

Program Code: RCAS

Classification of Instructional Programs (CIP) Code: 51.0908

Florida Department of Education CIP Code: 1351090800

- **Leads to State or Organizational License or Certification:** Respiratory Therapist
- **Cost Associated with taking the exam:** \$390
- **Where to take the exam:** Student applies to National Board of Respiratory Care. Once approved, a list of testing sites is sent to the student.

The program prepares graduates to work in Respiratory Care as a Respiratory Therapist. Respiratory Care is a specialty dealing with the diagnosis, treatment, and rehabilitation of patients with cardiopulmonary diseases. The degree satisfies the requirements established by the National Board of Respiratory Care and qualifies the graduate as a candidate for the national registry examination. Graduates may apply for state licensure upon completion of the program.

The Eastern Florida State College Respiratory Care Program, CoARC program number 200618, Associate in Science, Melbourne Campus holds Continuing Accreditation from the Commission on Accreditation for Respiratory Care (www.coarc.com). This status signifies that the program has demonstrated ongoing compliance with the Standards determined by a satisfactory Continuing Accreditation self-study report and on-site visit, and other documentation required by the CoARC. It is recognized by the National Board for Respiratory Care (NBRC) toward eligibility for the Respiratory Care Credentialing Examination(s).

Program-Specific Admissions Information: This is a limited-access program; student must submit a separate application to the program.

Refer to the [Associate in Science \(A.S.\)](#) page to find information about admission, graduation, general education and other requirements. Students will work with an advisor to determine the courses best suited to their plan of study.

Visit the [program page](#) for more information or call 321-433-7575.

Program of Study

Code	Title	Credit Hours
General Education Courses		
BSCC 1010	General Biology 1	4
ENC 1101	Composition 1	3
MAC 1105	College Algebra	3
	Humanities Core Requirement	3
	Social/Behavioral Science/Core-Civic Literacy Requirement	3
Major Courses		
RET 1024	Introduction to Respiratory Care	2

RET 1026	Fundamentals of Respiratory Care	3
RET 1264	Fundamentals of Respiratory Care 2	3
RET 1265	Mechanical Ventilation	4
RET 1293	Cardiopulmonary Medicine	3
RET 1414	Cardiopulmonary Diagnostics	3
RET 1485	Cardiopulmonary Anatomy and Physiology	3
RET 1931	Special Topics in Respiratory Care	2
RET 2280	Critical Medicine in Respiratory Care	3
RET 2350	Cardiopulmonary Pharmacology	3
RET 2483	Patient Assessment and Interaction	2
RET 2714	Neonatal/Pediatric Respiratory Care	3
RETL 1832	Clinical Respiratory Care 1	1
RETL 1833	Clinical Respiratory Care 2	2
RETL 2876	Clinical Respiratory Care 3	2
RETL 2877	Clinical Respiratory Care 4	2
RETL 2934	Respiratory Care Seminar	2

Support Courses

BSCC 2093	Human Anatomy and Physiology 1	4
BSCC 2094	Human Anatomy and Physiology 2	4
CHM 1015	Introduction to Chemistry	3
HSC 1531	Medical Terminology	2
MCBC 2010	Microbiology for Health Sciences	4

Total Hours: 76

Note: In accordance with Florida Statute and Florida Administrative Code, students must satisfy the [Civic Literacy Graduation Requirement](#).

A grade of "C" or higher is necessary in each major course for progression and graduation.

Course Sequence

Below is the recommended sequence for taking courses in this degree. Using this guide and meeting with your assigned advisor each term is the key to successful program completion.

Please note that course prerequisites, including required developmental math, reading, or writing, need to be completed to continue on to the more advanced course. Courses followed by "&" have prerequisites that are not part of this program. Click on the course number to see the requirements.

Code	Title	Credit Hours
BSCC 1010	General Biology 1	4
ENC 1101	Composition 1	3
MAC 1105	College Algebra &	3
RET 1024	Introduction to Respiratory Care ^{Su}	2
BSCC 2093	Human Anatomy and Physiology 1	4
HSC 1531	Medical Terminology	2
RET 1026	Fundamentals of Respiratory Care ^{Fa}	3
RET 1485	Cardiopulmonary Anatomy and Physiology ^{Fa}	3
RET 2350	Cardiopulmonary Pharmacology ^{Fa}	3
BSCC 2094	Human Anatomy and Physiology 2	4
RET 1264	Fundamentals of Respiratory Care 2 ^{Sp}	3
RET 1265	Mechanical Ventilation ^{Sp}	4

RET 2483	Patient Assessment and Interaction ^{Sp}	2
RETL 1832	Clinical Respiratory Care 1 ^{Sp}	1
CHM 1015	Introduction to Chemistry	3
RET 1414	Cardiopulmonary Diagnostics ^{Su}	3
RETL 1833	Clinical Respiratory Care 2 ^{Su}	2
MCBC 2010	Microbiology for Health Sciences	4
RET 1293	Cardiopulmonary Medicine ^{Fa}	3
RET 2280	Critical Medicine in Respiratory Care ^{Fa}	3
RET 2714	Neonatal/Pediatric Respiratory Care ^{Fa}	3
RETL 2876	Clinical Respiratory Care 3 ^{Fa}	2
RET 1931	Special Topics in Respiratory Care ^{Sp}	2
Humanities Core Requirement		3
Social/Behavioral Science/Core-Civic Literacy Requirement		3
RETL 2877	Clinical Respiratory Care 4 ^{Sp}	2
RETL 2934	Respiratory Care Seminar ^{Sp}	2
Total Hours:		76

Council on Respiratory Care to be administered after graduation from the program

- *Core Ability Supported: Think Critically and Solve Problems*

- If no term is designated, course is offered every term
- FaCourse is offered in fall term
- SpCourse is offered in spring term
- SuCourse is offered in summer term

Learning Outcomes

1. Explain Gas laws as pertaining to the medicine of respiratory care and in the delivery of therapeutics and diagnosis
 - *Core Ability Supported: Think Critically and Solve Problems*
2. Identify the use and rationale of positive pressure, treatments, including administration devices
 - *Core Ability Supported: Communicate Effectively*
3. Identify the various lung abnormalities as seen on a chest x-ray
 - *Core Ability Supported: Think Critically and Solve Problems*
4. Describe the indications for the implementation of mechanical ventilation on adult, pediatric and neonatal patients
 - *Core Ability Supported: Think Critically and Solve Problems*
5. Identify techniques involved in educating patients with chronic lung disease: maintaining a functional and socially acceptable lifestyle, the value of a Pulmonary Rehab Program
 - *Core Ability Supported: Think Critically and Solve Problems*
6. Perform Patient assessment to include: vital signs, medical gas therapy, humidity and aerosol therapy, hyperinflation therapy and other adjunctive breathing therapies
 - *Core Ability Supported: Think Critically and Solve Problems*
7. Associate in Science (A.S.)
 Respiratory Care
 Advanced Technical Certificate (ATC)
 Applied Technology Diploma (ATD)
 - *Core Ability Supported: Think Critically and Solve Problems*
8. Perform proper techniques for the installation, maintenance and removal of all types of artificial airways on adult, pediatric and neonatal patients.
 - *Core Ability Supported: Think Critically and Solve Problems*
9. Complete applications for the entry-level examination through the Department of Business and Professional Regulations, Advisory