

Respiratory Therapy

Respiratory Therapy (A45720)

Degree Awarded

The Associate in Applied Science degree - Respiratory Therapy is awarded by the college upon completion of this program.

Admissions

- Complete a Central Piedmont admissions application.
- Admission to the Respiratory Therapy program is competitive. Please note that, in addition to the general application to Central Piedmont, students must complete a separate application for the Respiratory Therapy Program when they are ready to apply.
- See the Respiratory Therapy website for the program application.
- Students must be selected to enter the program. Upon acceptance and enrollment in the program, students must take all courses as scheduled and sequenced.

Program Accreditation

The Respiratory Therapy Program at Central Piedmont is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

CoARC
1248 Harwood Road
Bedford, TX 76021-4244
817.283.2835

Additional Expenses and Requirements

Expenses

In addition to tuition and textbooks, costs of this program include the following:

- uniforms, lab coat
- stethoscope, scissors, hemostats, watch with a second hand
- a physical examination, including immunizations such as tetanus toxoid, hepatitis B, TB test, blood test e.g., rubella titer,
- fees for Health Care Provider Cardiac Life Support course
- fees for Self-Assessment Examinations.

Students also are required to submit to a 13-panel drug screen every fall they are in the program at their own expense.

Verifications

- Students must provide a certificate of health or accident insurance.
- To participate in clinical education experiences at healthcare facilities, students may be required to submit results of a N.C. state or national criminal background check at their own expense.
- As a condition of program admission, students may be required to verify that they are United States citizens or are otherwise legally authorized residents of the United States.

Attendance

Attendance at professional seminars and meetings is required.

Grade Requirement

In order to progress in this program, students must earn a "C" or better in all curriculum courses.

Contact Information

The Respiratory Therapy program is in the Therapy and Acute Care Division. For more information, call the program chair at 704.330.6795. Division offices are located on the 3rd floor of the Health Careers Building in the Belk Wing.

For an admission packet, frequently asked questions and other information, visit the Respiratory Therapy website.

General Education Requirements

ENG 111	Writing and Inquiry	3.0
Select 3 credits from one of the following:		3.0
ENG 112	Writing and Research in the Disciplines	
ENG 113	Literature-Based Research	
ENG 114	Professional Research & Reporting	
ACA 122	College Transfer Success	1.0
Select 3 credits from one of the following:		3.0
MAT 143	Quantitative Literacy	
MAT 152	Statistical Methods I	
MAT 171	Precalculus Algebra	
Select 3 credits from one of the following:		3.0
ECO 251	Principles of Microeconomics	
ECO 252	Principles of Macroeconomics	
HIS 111	World Civilizations I	
HIS 112	World Civilizations II	
HIS 131	American History I	
HIS 132	American History II	
POL 120	American Government	
PSY 150	General Psychology	
SOC 210	Introduction to Sociology	
Select 3 credits from one of the following:		3.0
ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
DRA 111	Theatre Appreciation	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	
Major Requirements		
RCP 110	Intro to Respiratory Care	4.0
RCP 111	Therapeutics/Diagnostics	5.0
RCP 113	RCP Pharmacology	2.0
RCP 114	C-P Anatomy & Physiology	3.0
RCP 115	C-P Pathophysiology	2.0
RCP 122	Special Practice Lab	1.0
RCP 123	Special Practice Lab	1.0
RCP 145	RCP Clinical Practice II	5.0

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RCP 152	RCP Clinical Practice III	2.0
RCP 210	Critical Care Concepts	4.0
RCP 211	Adv Monitoring/Procedures	4.0
RCP 214	Neonatal and Pediatric Respiratory Care	2.0
RCP 222	Special Practice Lab	1.0
RCP 223	Special Practice Lab (Special Practice Lab)	1.0
RCP 235	RCP Clinical Practice IV	5.0
RCP 247	RCP Clinical Practice V	7.0
Select 5 credits from one one of the following:		5.0
BIO 163	Basic Anatomy & Physiology (BIO 163 can be substituted if student has completed BIO 168 and BIO 169)	2.0
or BIO 168 & BIO 169	Anatomy and Physiology I and Anatomy and Physiology II	
Select 2 credits from one of the following:		
MED 120	Survey of Medical Terminology (Student may complete MED 121 as a substitute for MED 120)	2.0
or MED 121	Medical Terminology I	
Total Credits		72

RCP 110. Intro to Respiratory Care. 4.0 Credits. Class-3.0. Clinical-0.0. Lab-3.0. Work-0.0

This course introduces the role of the respiratory care practitioner within interprofessional teams and interacting with diverse populations. Topics include medical gas administration, basic patient assessment, infection control, and medical terminology using proper written and oral communication methods to prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

Prerequisites: Take BIO 163 BIO 165 BIO 166 BIO 168 or BIO 169, minimum grade of C

RCP 111. Therapeutics/Diagnostics. 5.0 Credits. Class-4.0. Clinical-0.0. Lab-3.0. Work-0.0

This course provides emphasis on therapeutic and diagnostic procedures. Topics include applying problem solving strategies in the patient care setting, applying ethical principles in decision making, and practicing professional responsibilities, which will prepare students for clinical practice. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written and laboratory evaluations.

Prerequisites: Take RCP 110

RCP 113. RCP Pharmacology. 2.0 Credits. Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course covers the drugs used in the treatment of cardiopulmonary diseases. Emphasis is placed on the uses, actions, indications, administration, and hazards of pharmacological agents. Upon completion, students should be able to demonstrate competence through written evaluations.

Prerequisites: Take BIO 163, BIO 165, BIO 166, BIO 168, or BIO 169, minimum grade of C

Corequisites: Take RCP 110, RCP 114, RCP 122, and RCP 123

RCP 114. C-P Anatomy & Physiology. 3.0 Credits. Class-3.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course provides a concentrated study of cardiopulmonary anatomy and physiology essential to the practice of respiratory care. Emphasis is placed on cardiovascular and pulmonary physiology, acid/base balance, and blood gas interpretation. Upon completion, students should be able to demonstrate competence in these concepts through written evaluation.

RCP 115. C-P Pathophysiology. 2.0 Credits. Class-2.0. Clinical-0.0. Lab-0.0. Work-0.0

This course introduces the etiology, pathophysiology, clinical signs and symptoms, diagnoses, prognoses, complications, and management of cardiopulmonary diseases. Emphasis is placed on developing, evaluating, and modifying respiratory care plans based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in cardio-pulmonary disease concepts through written evaluations.

RCP 122. Special Practice Lab. 1.0 Credit. Class-0.0. Clinical-0.0. Lab-2.0. Work-0.0

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Prerequisites: Take BIO 163, BIO 165, BIO 166, BIO 168, or BIO 169, minimum grade of C

Corequisites: Take RCP 113, RCP 114, and RCP 123

RCP 123. Special Practice Lab. 1.0 Credit. Class-0.0. Clinical-0.0. Lab-3.0. Work-0.0

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Prerequisites: Take BIO 163, BIO 165, BIO 166, BIO 168, or BIO 169, minimum grade of C

Corequisites: Take RCP 113, RCP 114, and RCP 122

RCP 145. RCP Clinical Practice II. 5.0 Credits. Class-0.0. Clinical-15.0. Lab-0.0. Work-0.0

This course provides entry-level clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Prerequisites: Take RCP 110, RCP 113, and RCP 114, minimum grade of C

Corequisites: Take RCP 111

RCP 152. RCP Clinical Practice III. 2.0 Credits. Class-0.0. Clinical-6.0. Lab-0.0. Work-0.0

This course provides entry-level clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Prerequisites: Take RCP 111, RCP 115, and RCP 145, minimum grade of C

RCP 210. Critical Care Concepts. 4.0 Credits. Class-3.0. Clinical-0.0. Lab-3.0. Work-0.0

This course provides further refinement of acute patient care and underlying pathophysiology. Topics include a continuation in the application and management of mechanical ventilation, assessment underlying pathophysiology, and introduction of critical care monitoring. Upon completion, students should be able to demonstrate competence in respiratory therapy concepts and procedures through written, laboratory and/or clinical simulation evaluations.

Prerequisites: Take RCP 111, RCP 115, RCP 145, RCP 152, and MED 120, minimum grade of C; Take MAT 143, MAT 152, or MAT 171
Corequisites: Take RCP 222, RCP 235, and RCP 214

RCP 211. Adv Monitoring/Procedures. 4.0 Credits. Class-3.0. Clinical-0.0. Lab-3.0. Work-0.0

This course includes advanced information gathering and decision making for the respiratory care professional using evidence-based respiratory care protocols. Topics include advanced cardiac monitoring, special procedures, respiratory care protocols, and disease management. Upon completion, students should be able to assess, recommend, and independently modify respiratory care protocols through written, laboratory and/or clinical simulation evaluations.

Prerequisites: Take RCP 210, RCP 214, RCP 235, and RCP 222, minimum grade of C
Corequisites: Take RCP 247

RCP 214. Neonatal and Pediatric Respiratory Care. 2.0 Credits. Class-1.0. Clinical-0.0. Lab-3.0. Work-0.0

This course provides comprehensive coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on pathophysiology, patient assessment and special therapeutic needs of neonates and children based on evidence-based medicine protocols and clinical practice guidelines. Upon completion, students should be able to demonstrate competence in the neonatal and pediatric respiratory care concepts through written, laboratory and/or clinical simulation evaluations.

Prerequisites: Take RCP 111, RCP 115, RCP 145, and RCP 152, minimum grade of C

RCP 222. Special Practice Lab. 1.0 Credit. Class-0.0. Clinical-0.0. Lab-2.0. Work-0.0

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

Prerequisites: Take RCP 111, RCP 115, RCP 145, and RCP 152, minimum grade of C

RCP 223. Special Practice Lab. 1.0 Credit. Class-0.0. Clinical-0.0. Lab-3.0. Work-0.0

This course provides additional laboratory learning opportunities in respiratory care. Emphasis is placed on therapeutic procedures and equipment management. Upon completion, students should be able to demonstrate competence in concepts and procedures through laboratory evaluations.

RCP 235. RCP Clinical Practice IV. 5.0 Credits. Class-0.0. Clinical-15.0. Lab-0.0. Work-0.0

This course provides advanced practitioner clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Prerequisites: Take RCP 111, RCP 115, RCP 145, and RCP 152, minimum grade of C
Corequisites: Take RCP 210

RCP 247. RCP Clinical Practice V. 7.0 Credits. Class-0.0. Clinical-21.0. Lab-0.0. Work-0.0

This course provides advanced practitioner clinical experience. Emphasis is placed on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations.

Prerequisites: Take RCP 210, RCP 211, RCP 214, RCP 222, and RCP 235, minimum grade of C
Corequisites: Take RCP 211