

Respiratory Care

RESP 101 Fundamentals of Respiratory Care I

Prerequisite: Admission into the Respiratory Care Program

Credit Hours: 3

This course provides instruction in basic gas physics and basic respiratory care. Included is a section on microbiology, patient assessment and professionalism. This course includes a laboratory with competency evaluations.

RESP 102 Fundamentals of Respiratory Care II

Prerequisite: Fundamentals of Respiratory Care I and Introduction To Respiratory Care

Credit Hours: 4

This course will continue from FRCI in presenting equipment and therapeutics. A diagnostics component will be added. The student will learn about bronchial hygiene techniques, specialized oxygen devices, arterial blood puncture, analysis and interpretation, and pulmonary function testing. This course includes a laboratory with competency evaluations.

RESP 105 Respiratory Care Pharmacology

Prerequisite: Admission into the Respiratory Care program

Credit Hours: 3

This course addresses general principles of pharmacology with emphasis on drugs affecting the cardiopulmonary system. An overview of antibiotics, narcotics, and sedatives is presented.

RESP 107 Cardiopulmonary Anatomy and Physiology I

Prerequisite: Admissions into the Respiratory Care Program

Credit Hours: 2

An in-depth study of cardiopulmonary anatomy and physiology will be presented. Units on renal physiology and acid-base balance are included.

RESP 109 Clinical Practice I

Prerequisite: Intro to RC, FRC I, RC Pharmacology, CP A&P

Credit Hours: 2

This clinical course allows the respiratory care student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on basic therapeutic modalities, charting, and assessment skills.

RESP 110 Clinical Practice II

Prerequisite: Successful completion Clinical Practice I, Fundamentals of Respiratory Care I, Respiratory Care Pharmacology, and Cardiopulmonary Anatomy and Physiology

Credit Hours: 5

This clinical course allows the respiratory care student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on cardiac and pulmonary monitoring and basic respiratory care therapeutics.

RESP 113 Pediatric Respiratory Care

Prerequisite: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology, Topics and Procedures I

Credit Hours: 3

This course will cover neonatal and pediatric respiratory care. The course includes units on fetal development, neonatal and pediatric respiratory diseases, pharmacological agents, and respiratory care modalities applied to the neonatal and pediatric patient.

RESP 115 Introduction to Mechanical Ventilation

Prerequisite: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy & Physiology, Respiratory Care Pharmacology, Clinical Practice I

Credit Hours: 3

This introductory course covers basic concepts important to understanding mechanical ventilation. The student will concentrate on modes of ventilation, ventilator set-up and trouble-shooting, and charting of mechanical ventilation.

RESP 158 Fundamentals of Respiratory Care I Lab

Prerequisite: Admission into the Respiratory Care Program

Credit Hours: 1

This course provides instruction in basic gas physics and basic respiratory care. Included is a section on

microbiology, patient assessment and professionalism. This course includes a laboratory with competency evaluations.

RESP 160 Fundamentals of Respiratory Care II Lab

Prerequisite: Fundamentals of Respiratory Care I and Introduction To Respiratory Care

Credit Hours: 2

This course will continue from FRCI in presenting equipment and therapeutics. A diagnostics component will be added. The student will learn about bronchial hygiene techniques, specialized oxygen devices, arterial blood puncture, analysis and interpretation, and pulmonary function testing. This course includes a laboratory with competency evaluations.

RESP 161 Fundamentals of Respiratory Care III Lab

Prerequisite: Fundamentals of Respiratory Care I, Fundamentals of Respiratory Care II, Introduction to Respiratory Care, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology, Clinical Practice I, Clinical Practice II

Credit Hours: 2

This course includes an in-depth study of mechanical ventilation along with weaning procedures and the care of the critically ill patient.

RESP 203 Fundamentals of Respiratory Care III

Prerequisite: Fundamentals of Respiratory Care I, Fundamentals of Respiratory Care II, Introduction to Respiratory Care, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology, Clinical Practice I, Clinical Practice II

Credit Hours: 3

This course includes an in-depth study of mechanical ventilation along with weaning procedures and the care of the critically ill patient.

RESP 205 Respiratory Diseases

Prerequisite: Fundamentals of Respiratory Care I, Introduction to Respiratory Care, Respiratory Care Pharmacology, Clinical Practice I

Credit Hours: 3

This course provides the student with an in-depth study of diseases that affect the cardiopulmonary system. Patient evaluation, assessment, diagnosis and treatment of diseases will be addressed.

RESP 207 Critical Care Medicine

Prerequisite: Fundamentals of Respiratory Care I, II, and III, Cardiopulmonary Anatomy and Physiology I and II, Respiratory Care Pharmacology, Clinical Practice I, II, and III, Pediatric Respiratory Care, Respiratory Diseases, and Topics and Procedures I and II

Credit Hours: 3

This course will cover care of the acutely ill and critically ill patient. Emphasis is placed on application of data obtained during monitoring and assessment of patients. Therapeutic and diagnostic modalities will be addressed.

RESP 211 Clinical Practice III

Prerequisite: Successful completion Clinical Practice I & II, Fundamentals of Respiratory Care I, II, & III, Respiratory Care Pharmacology, Cardiopulmonary Anatomy and Physiology, Topics and Procedures I & II, Respiratory Diseases, and Advance Mechanical Ventilation

Credit Hours: 5

In this course students will apply skills learned in the classroom to the clinical setting. Emphasis will be placed on specialized areas of respiratory care such as neonatal and pediatric respiratory care, long-term ventilator care, home health, and sleep studies.

RESP 212 Respiratory Care Professional Forum

Prerequisite: Fundamentals of Respiratory Care I, II, III, Respiratory Care Topics and Procedures, Pediatric Respiratory Care, Respiratory Diseases, Cardiopulmonary Anatomy and Physiology, and Respiratory Care Pharmacology

Credit Hours: 2

This clinical course will give students an opportunity to practice patient scenarios, discuss clinical problems, and learn skills important for new job seekers in the medical field.

RESP 213 Respiratory Care Topics and Procedures

Prerequisite: Fundamentals of Respiratory Care I, II, III, Respiratory Care Topics and Procedures I, Clinical Practice I, II, Introduction to Respiratory Care, Cardiopulmonary Anatomy and Physiology, Pharmacology

Credit Hours: 3

This is a course designed to prepare the student for specialized monitoring used by respiratory therapists and includes: invasive hemodynamic monitoring, intracranial pressure monitoring, bronchoscopies, thoracentesis chest tubes, sleep studies, pulmonary rehabilitation, chest x-rays, and respiratory gas monitoring.

HEAL 151 (5819) Advanced Cardiac Life Support

Prerequisite: None

Credit Hours: 1

This course is designed to provide the participant with the skills to respond to acute cardiovascular situations in and out of the hospital setting.

Reading Essentials Placement Scores: ACT 0-12, COMPASS 0-54

College Reading Placement Scores: ACT 13-16, COMPASS 55-74

No Reading Course Required Placement Scores: ACT 17 or Higher, COMPASS 75 or higher

IO = Infrequently Offered Course