

RESPIRATORY CARE PRACTITIONER (RCP)

RCP 110 (3 credit hours)

Cardiopulmonary Anatomy and Physiology

Provides an in-depth analysis of the respiratory and circulatory systems with emphasis on the interaction of systems in gas exchange and acid-base balance as well as the structure and function of the chest cage, mechanics of breathing and control of respiration. Completion of BIO 137 and ENG 101 with a grade of C or better. Lecture: 3 credits (45 contact hours).

Pre-requisite: Completion of MAT 110 OR MAT146 OR MAT 150 with a grade of C or better.

Attributes: Technical

Components: LEC: Lecture

RCP 120 (4 credit hours)

Theory and Principles of Respiratory Care

Presents the principles and techniques of therapeutic procedures used in respiratory care, including an emphasis on medical asepsis, safe handling and administration of medical gases, uses of humidity, aerosol therapy, lung inflation techniques, bronchial hygiene therapy and airway care.

Completion of BIO 137 and ENG 101 with a grade of C or better. Lecture: 3 credits (45 contact hours). Laboratory: 1 credit (60 contact hours).

Pre-requisite: Completion of MAT 110 OR MAT146 OR MAT 150 with a grade of C or better.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 121 (1 credit hours)

Respiratory Care Practice I

Emphasizes the health care team and the practice and or performance of techniques of basic respiratory care including airway management and bronchial hygiene. Clinical: 1 credit (60 contact hours).

Pre- or co-requisite: RCP 122 with a grade of C or better; Valid Health Care Provider CPR card .

Attributes: Technical

Components: CLN: Clinical

RCP 122 (4 credit hours)

Fundamentals of Respiratory Care

Introduces respiratory care including chest physical assessment, medical gas therapy, humidity and aerosol therapy, bronchial hygiene, airway management, medical asepsis and development of the respiratory care plan. Lecture: 3 credits (45 contact hours). Laboratory: 1 credit (60 contact hours).

Pre-requisite: : [(MAT 110 or MAT 146 or MAT 150) BIO 137 and BIO 139) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 125 (4 credit hours)

Evaluation and Treatment of Patients with Cardiopulmonary Issues

Examines a variety of techniques used to evaluate and treat patients who are experiencing cardiopulmonary issues. Lecture: 3 credits (45 contact hours). Laboratory: 1 credit (60 contact hours).

Pre-requisite: RCP 110 and BIO 137 and (MT 110 or MT 145 or MT 150 or equivalent) with a grade of C or better.

Pre- or co-requisite: RCP 110.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 135 (1 credit hours)

Respiratory Pharmacology

Provides an overview of respiratory pharmacological agents and their use in the clinical practice of a respiratory therapist. Lecture: 1 credit hour (15 contact hours).

Pre-requisite: Admission to the Respiratory Care Program.

Attributes: Technical

Components: LEC: Lecture

RCP 140 (2 credit hours)

Cardiopulmonary Assessment

Emphasizes blood gas analysis, pulmonary function studies, electrocardiography and chest radiography. Lecture: 1.5 credits (22.50 contact hours). Laboratory: 0.5 credit (15 contact hours).

Pre-requisite: [(RCP 110 and RCP 122 and RCP 130) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 150 (2 credit hours)

Clinical Practice I

Provides an opportunity for observation and/or performance of techniques for chest physical assessment, medical gas administration, humidity and aerosol therapy and bronchial hygiene in the assigned clinical setting. Clinical: 2 credits (120 contact hours).

Pre- or co-requisite: RCP 120 with a grade of C or better; Valid Health Care Provider CPR card.

Attributes: Technical

Components: CLN: Clinical

RCP 175 (3 credit hours)

Clinical Practice II

Provides an opportunity to participate in the health care team while practicing techniques of respiratory care including airway management and bronchial hygiene in the assigned setting.

Pre-requisite: RCP 150 with a grade of C or better; Clinical: 3 credits (180 contact hours).

Attributes: Technical

Components: CLN: Clinical

RCP 176 (2 credit hours)

Respiratory Care Practice II

Emphasizes participation in the health care team while practicing techniques of basic respiratory care including airway management and bronchial hygiene.). Clinical: 2 credits (120 contact hours).

Pre-requisite: RCP 110 and RCP 122 and RCP 135 with a grade of C or better or consent of instructor.

Co-requisite: RCP 140(If taken as a pre-requisite, a grade of C or better is required.

Attributes: Technical

Components: CLN: Clinical

RCP 180 (3 credit hours)

Ventilatory Support

Covers the technological and physiological aspects of mechanical ventilation including the theory of operation, classification, and management of the patient ventilator system. Lecture: 2 credits (30 contact hours); Laboratory: 1 credit (60 contact hours).

Pre-requisite: RCP 120 and RCP 150 with a grade of C or better.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 185 (2 credit hours)**Introduction to Mechanical Ventilation**

Introduces the technological aspects of mechanical ventilation including the theory of operation, classification and patient-ventilator system checks. Lecture: 1.5 credits (22.5 contact hours). Laboratory: 0.5 credit (15 contact hours).

Pre-requisite: [(RCP 140 and RCP 176) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 190 (2 credit hours)**Advanced Ventilatory Support**

Addresses advanced concepts in ventilatory support, including physiologic effects, indications, monitoring and management of the patient-ventilator system. Lecture: 1.5 credits (22.5 contact hours); Laboratory: 0.5 credits (30 contact hours).

Pre-requisite: RCP 180 with a C or better.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 195 (4 credit hours)**Patient-Ventilator System Management**

Addresses advanced concepts in ventilatory support including monitoring and management of the patient-ventilator system. Lecture: 3 credits (45 contact hours). Laboratory: 1 credit (60 contact hours).

Pre-requisite: [(RCP 185 and RCP 201) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 200 (3 credit hours)**Clinical Practice III**

Provides practice in adult mechanical ventilation procedures and airway management in the critical care setting and performance of other respiratory care skills. Clinical: 3 credits (180 contact hours).

Pre-requisite: RCP 175 with a grade of C or better.

Attributes: Technical

Components: CLN: Clinical

RCP 201 (2 credit hours)**Respiratory Care Practice III**

Provides practice in adult mechanical ventilation procedures and airway management in the critical care setting in addition to continued performance of the basic respiratory care skills. Clinical: 2 credits (120 contact hours).

Pre-requisite: [(RCP 140 and RCP 176) with a grade of C or better] or Consent of Instructor.

Attributes: Technical

Components: CLN: Clinical

RCP 204 (3 credit hours)**Emergency & Special Procedures**

Prepares students to participate in advanced emergency life support and special procedures. Lecture: 2.5 credits (37.5 contact hours). Laboratory: 0.5 credit (30 contact hours).

Pre- or co-requisite: RCP 135 and BIO 139 with a grade of C or better.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 210 (3 credit hours)**Cardiopulmonary Pathophysiology**

Addresses the etiology, diagnosis, clinical manifestations and management of cardiopulmonary disorders as related to respiratory care including the fundamental microbiological principles and their relation to health and disease. Lecture: 3 credits (45 contact hours).

Pre-requisite: [RCP 110 or (RCP 201 and RCP 185) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LEC: Lecture

RCP 212 (3 credit hours)**Neonatal/Pediatric Respiratory Care**

Provides a study of the special needs of the neonatal and pediatric patient with focus on fetal cardiopulmonary development, evaluation, assessment and treatment of cardiopulmonary conditions and diseases of the neonatal and pediatric patient, as well as equipment unique to this population. Lecture: 2.5 credits (37.5 contact hours). Laboratory: 0.5 credits (30 contact hours).

Pre-requisite: (RCP 185 and RCP 201) with a grade of C or better] or Consent of Instructor.

Pre- or co-requisite: RCP 190 with a grade of C or better or Consent of Instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 214 (3 credit hours)**Advanced Diagnostic Procedures**

Prepares students to assist physician in advanced diagnostic, and therapeutic procedures. Lecture: 2.5 credits (37.50 contact hours). Laboratory: 0.5 credits (30 contact hours).

Pre-requisite: BIO 139 with a grade of C or better.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 225 (3 credit hours)**Clinical Practice IV**

Provides observation and practice of advanced cardiopulmonary evaluation techniques while improving efficiency in the ventilatory management of patients. Clinical: 3 credits (180 contact hours).

Pre-requisite: RCP 200 with a grade of C or better.

Attributes: Technical

Components: CLN: Clinical

RCP 226 (4 credit hours)**Respiratory Care Practice IV**

Provides observation and practice in advanced cardiopulmonary evaluation techniques while improving efficiency in the ventilatory management of adult patients. Clinical: 4 credits (240 contact hours).

Pre-requisite: [(RCP 176 and RCP 185) with a grade of C or better] or Consent of Instructor.

Attributes: Technical

Components: CLN: Clinical

RCP 228 (2 credit hours)**Preventive and Long-Term Respiratory Care**

Covers prevention of cardiopulmonary disorders and care of individuals with long term cardiopulmonary disability. Addresses psychosocial and physical needs of clients with emphasis on improving the quality of life and cardiopulmonary reserve. Lecture: 2 credits (30 contact hours).

Pre-requisite: [RCP 110 or (RCP 195 and RCP 210 and RCP 212 and RCP 226) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LEC: Lecture

RCP 240 (3 credit hours)**Advanced Cardiopulmonary Evaluation**

Addresses cardiopulmonary assessment including hemodynamic monitoring, pulmonary and cardiac exercise/stress testing, advanced cardiac procedures, blood chemistry and fluid and electrolyte balance. Lecture: 2.75 credits (41.25 contact hours). Laboratory: .25 credit (15 contact hours).

Pre-requisite: [RCP 195 and RCP 210 and RCP 212, and RCP 226) with a grade of C or better] or consent of instructor.

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 245 (2 credit hours)**Advanced Cardiac Life Support**

Focuses on managing acute cardiovascular emergencies including cardiac arrest, acute myocardial infarction and stroke. Students demonstrating essential knowledge and skills and obtaining 85% or greater on the written exam will receive an American Heart Association ACLS provider card. Lecture: 1.5 credits (22.50 contact hours). Laboratory: 0.5 credit (30 contact hours).

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

RCP 250 (3 credit hours)**Clinical Practice V**

Prepares students to participate in effective and efficient planning, managing and delivering respiratory care to diverse client populations in various settings. Clinical: 3 credits (180 contact hours).

Pre-requisite: RCP 225 with a grade of C or better.

Attributes: Technical

Components: CLN: Clinical

RCP 251 (4 credit hours)**Respiratory Care Practice V**

Prepares students to plan, manage, and deliver respiratory care to diverse client populations in various settings. Enables students to practice mechanical ventilation techniques and observe/practice techniques of advanced life support. Clinical: 4 credits (240 contact hours).

Pre-requisite: [(RCP 195 and RCP 210 and RCP 212 and RCP 226) with a grade of C or better] or Consent of Instructor.

Attributes: Technical

Components: CLN: Clinical

RCP 260 (1 credit hours)**Respiratory Care Seminar**

Analyzes material previously studied in the program and prepares students for the National Board for Respiratory Care examination.

Addresses job seeking skills. Lecture: 1 credit (15 contact hours).

Pre-requisite: [(RCP 200 and RCP210 and RCP 212 and RCP 225) with a grade of C or better] or Consent of Instructor.

Attributes: Technical

Components: LEC: Lecture

RCP 299 (1-4 credit hours)**Selected Topics in Respiratory Care: (Topic)**

A special project or experience in Respiratory Care will be selected to enhance core material in the Respiratory Care Program. It provides the student and opportunity for independent study and specialized instruction as approved by the instructor. This course may be repeated to a maximum of 6 hours. Lecture: varies.

Attributes: Technical

Components: LEC: Lecture