

RPT 212: Fundamentals of Respiratory Care I

A fundamental course which presents the scientific basis for respiratory care procedures and application of basic chemistry and physics as related to compressed gases and respiratory care equipment operation. Experimental laboratory is required and emphasis includes: design, functional characteristics, and operation of commonly encountered respiratory care equipment, use of medical gases and applied chemistry, physics, and mathematics. Upon completion, the student should be able to demonstrate an adequate knowledge base concerning function and troubleshooting of respiratory care equipment and concepts of applied physics, chemistry, and mathematics.

Credit Hours: 4

Lecture: 2

Lab: 2 (2 contact hours:1 credit hour)

Clinical/Practicum: 0

Credits: 4

Prerequisites:

Admission to RPT program, ENG 101, MTH 100 or more advanced, BIO 201, PSY 200 or 210, and Humanities elective.

Co-Requisites:

None