

RESPIRATORY THERAPY ACADEMIC ASSOCIATE DEGREE
Delivery: Residential

Total Credits	84
Contact Hours	1,770
Total Weeks	90

Program Description

The Respiratory Therapy Academic Associate Degree prepares professional of respiratory care who will work as part of the interdisciplinary group, whose realize activities of health promotion, prevention, diagnostic, treatment and rehabilitation of patients with cardiopulmonary and systemic pathologies that affect the respiratory organs.

The respiratory care technician works under the medical direction of an anesthesiologist, a specialist in neumology or any other doctor who is appropriately qualified for the practice of respiratory care. The licensed respiratory care technician will accept written or verbal medical orders for the treatment and respiratory care of patients. Also, will apply techniques of respiratory care in different clinical settings by supervision of registered and certified clinical professional.

Graduates must pass the examination offered by the Board of Examiners of Respiratory Care Technicians of Puerto Rico in order to exercise the profession.

Program Objectives

- Demonstrate mastery of the main theoretical-practical concepts and norms that govern the profession of respiratory therapist, according to the requirements of the law.
- Apply the different techniques of diagnosis, evaluation, treatment and rehabilitation of patients with respiratory conditions.
- Apply the basic and advanced modalities of respiratory care under medical supervision.
- Offer an educational program within a current, relevant and innovative information framework.
- Develop specific competencies in the Respiratory Therapy profession combined with skills such as: technology management, language skills, teamwork and human relations.
- Provide the necessary foundations for the student to develop as a leader with a high ethical sense and social responsibility.

Create awareness in the student about the responsibilities and challenges that must be faced in the performance of their duties and the importance of projecting a professional, serious, competitive image with emphasis on quality and professional commitment within the field of the profession of respiratory therapy.

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Curricular Outline

General Education (19 credits)

Code	Course	Credits
ENGL101	English Composition I	3
ENGL102	English Composition II	3
ESPA101	Spanish Composition I	3
ESPA102	Spanish Composition II	3
MATE102	Elementary Algebra	3
FISI102	General Physics I	3
FISI103	General Physics Laboratory I	1

Science and Technology (19 credits)

Code	Course	Credits
ANAT101	Anatomy and Human Physiology I	4
ANAT102	Anatomy and Human Physiology II	4
MICRO101	General Microbiology	4
COMP101	Introduction to Computerized Systems and Laboratory	3
QUIM101	General Chemistry	3
QUIM102	General Chemistry Laboratory	1

Concentration (46 credits)

Code	Course	Credits
RESP101	Legal and Ethical Aspects of Respiratory Therapy	3
RESP102	Basic Principles of Respiratory Therapy	3
RESP103	Respiratory Therapy Pharmacology	3
RESP201	Airway Management	3
RESP202	Arterial Blood Gases	3
RESP203	Mechanical Ventilation	3
RESP204	Pulmonary Pathophysiology	3
RESP205	Respiratory Physiology	3
RESP206	Basic Electrocardiography and Hemodynamic	3
RESP207	Pulmonary Function	3
RESP208	Pulmonary Rehabilitation	3
RESP209	Pediatrics and Neonatology	3
RESP211	Clinical Practice I	5
RESP212	Clinical Practice II	5