



Benefits to the Organisation

- * Skilled human resource to better manage patients suffering with respiratory insufficiency
- * Health workforce with technical knowledge and aptitude of handling ventilators, respiratory support equipment's and other ICU equipment's
- * Technical support to Doctors and nurses as respiratory care technician

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.



For Registration Call
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ASTRON
INSTITUTE OF INTERNATIONAL STUDIES
PRIDE IN EXCELLENCE

ONLINE DIPLOMA IN RESPIRATORY CARE TECHNICIAN



AIIS/RT/BRO/009

About AIIS

Astron Institute of International Studies (AIIS), an academic vertical of Astron Group, Gurgaon, is focused on the intensively growing and continually developing of public and community health with emphasis on the underserved section of society at large. It envisions promoting excellence in Healthcare, Research, Education, Training, Skill Enhancement and Consultancy Services. According to National Health Policy 2015 there is a need for planned expansion of allied technical skills including medical and paramedical workforce. AIIS, with its Vision and Mission to contribute to the fulfillment of that goal, works towards development of healthcare workforce with specialised skills and knowledge.

Program Overview

Being able to breathe is one of the basic essentials for life and respiratory therapists are the monitors and guardians of a patient's ability to access this necessity. There are countless types and causes of breathing problems and patients depend on respiratory therapists to improve their quality of life and help them recover.

This course will provide the essential skills required to work as a respiratory care technician. Trainee will learn in detail about the essential skills required to work as members of the health care team, work to evaluate, treat and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders in a wide variety of clinical settings. Trainee shall be exposed to basics of performing respiratory care procedures. Respiratory therapists are involved in clinical decision-making (such as patient evaluation, treatment selection, and assessment of treatment efficacy) and patient education.

The course shall also help in assessing the cardiopulmonary status of patients and making recommendations and assist physicians in caring for these patients, performing and assisting prescribed diagnostic studies such as drawing blood samples, performing blood gas analysis, electrocardiograms, exhaled gas analysis and pulmonary function testing and utilizing data to assess the appropriateness of prescribed respiratory care.

Other topics covered in this program include anatomy, pathophysiology, diagnosis and treatment of respiratory diseases, Emergency and Critical Care areas & management of respiratory care plans in the acute care setting using evidence based medicine, protocols and clinical practice guidelines.

Who is a Respiratory Care Technician

Medical transcription, also known as MT, is an allied health profession dealing with the process of transcribing voice-recorded medical reports that are dictated by physicians, nurses and other healthcare practitioners. Medical reports can be voice files, notes taken during a lecture, or other spoken material. These are dictated over the phone or uploaded digitally via the Internet or through smart phone apps. Medical transcription is part of the healthcare industry that renders and edits doctor dictated reports, procedures, and notes in an electronic format in order to create files representing the treatment history of patients.

Objectives

To enhance knowledge and skills to identify the emerging situations and to handle the respiratory support devices e.g. ventilators

To enhance the knowledge and skills to identify the respiratory procedures like pulmonary function test, Arterial blood gas analysis

To become proficient in responding to respiratory emergencies

Eligibility Criteria

Minimum eligibility is 10 + 2 from Central or State board with Any Stream.

GNM / Nursing students

Program Duration

Duration	
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies and International Accreditation Organisation, USA

Contents

1. Human anatomy and physiology
2. Introduction to respiratory care
3. Respiratory therapy equipments and devices
4. Common respiratory diseases and management
5. Cardiac and pulmonary pharmacology
6. Common respiratory procedures
7. Pulmonary function test
8. Mechanical ventilation
9. Arterial blood gas analysis
10. Cardiopulmonary resuscitation

Course Highlights

- * Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- * Reference subject through E-library.
- * Program materials developed by Experts.
- * Each block culminating into a qualifying Assignment.
- * Credit based teaching outcomes for global application

Career



- STEP 1 **10+2 you are here**
- STEP 2 **Respiratory care technician**
- STEP 3 **Senior Respiratory care technician**
- STEP 4 **ICU manager/Supervisor**

Benefits to the Individual

Academic excellence, enhanced skills and capabilities as a respiratory care technician

Ability to demonstrate sound clinical judgment in ICU settings

Leadership capabilities to supervise and head the Respiratory care team

Sound technical knowledge and skill to handle the complex respiratory support devices in ICU settings.