

Bachelor of Respiratory Technology

Department of Allied and Health Sciences

4 Years (3 Years + 1 Year Compulsory Rotatory Internship).

Program Structure

Year 1 – Foundation Sciences

Semester I

- Anatomy
- Physiology
- Biochemistry
- Basics of Computer Applications
- English / Communication Skills
- Environmental Science

Semester II

- Pathology
- Microbiology
- Pharmacology
- Introduction to Respiratory Care
- First Aid & Basic Life Support
- Practical / Clinical Orientation

Year 2 – Core Respiratory Technology

Semester III

- Respiratory Anatomy & Physiology
- Pulmonary Function Testing
- Oxygen Therapy
- Aerosol Therapy
- Clinical Practicals

Semester IV

- Mechanical Ventilation – I
- Diagnostic Respiratory Procedures
- Cardiopulmonary Diseases
- Medical Ethics & Patient Care
- Clinical Practicals

Year 3 – Advanced & Critical Care

Semester V

- Mechanical Ventilation – II
- Critical Care Technology
- Neonatal & Pediatric Respiratory Care
- Sleep Medicine
- Research Methodology & Biostatistics

Semester VI

- Emergency & Trauma Care
- Advanced Cardiac Life Support
- Infection Control & Quality Assurance
- Healthcare Management
- Clinical Practicals

Year 4 – Internship

Compulsory Rotatory Internship (12 Months)

- Intensive Care Units (ICU)
- Neonatal ICU (NICU)
- Pediatric ICU (PICU)
- Pulmonary Function Lab
- Emergency & Trauma Units
- Operation Theatre & Recovery Units