

RESPIRATORY THERAPY

ASSOCIATE OF SCIENCE

Quarter Credit Hours Required = 108

The Associate of Science degree in Respiratory Therapy is designed to prepare students to provide oxygen therapy, assist with breathing, and support patients who are unable to breathe on their own. Therapists administer medications in aerosol form to help alleviate breathing problems and treat lung infections. They also teach breathing techniques to patients in rehabilitation centers and conduct asthma and smoking cessation programs. Respiratory therapists are integral members of the healthcare team.

Respiratory therapists follow specific, well-defined respiratory care procedures under the supervision of physicians and/or other medical professionals. In addition, respiratory therapists provide home care to patients who cannot travel to a medical site by demonstrating the operation of ventilators and other life-support systems.

Upon successful completion of this program, students should be able to

- describe the methodology utilized by the respiratory care practitioner;
- articulate the fundamentals of respiratory care;
- recognize the medical components of the human body by thorough study of anatomy and physiology;
- demonstrate a working knowledge of diagnostics, treatments, and rehabilitation in respiratory care;
- analyze the workings of ventilator therapy and other artificial breathing apparatus;
- differentiate among the various components of effective respiratory care;
- be recommended to the National Board for Respiratory Care to be allowed to sit for the appropriate credentialing examination; and
- coordinate a successful job search.

FOUNDATION:

	Quarter Credit Hours
EDU 1010 Learning Framework	4
EDU 1020 Career Exploration/Planning	4
Total Minimum Required Foundation Credits	8

AREA OF CONCENTRATION:

BIO 1120 Anatomy and Physiology: Body Structures	4
BIO 1130 Anatomy and Physiology: Organs and Systems	4
MED 1010 Medical Terminology	4
MED 1140 Medical Law and Ethics	4
RES 1010 Integrated Sciences for Respiratory Care	4
RES 1020 Respiratory Therapy Assessment and Diagnostics	3
RES 1030 Respiratory Therapeutics	3
RES 1100 Cardiopulmonary Anatomy and Physiology	4
RES 1150 Cardiopulmonary Pathophysiology	4
RES 1200 Respiratory Therapy Pharmacology	4
RES 1600 Mechanical Ventilation and Introduction to Critical Care	3
RES 2100 Advanced Modalities and Monitoring in Respiratory Care	3
RES 2280 Geriatric and Respiratory Home Care	3
RES 2350 Perinatal/Pediatric Respiratory Care	3
RES 2400 Respiratory Therapy Emergency Management	3
RES 2500 Respiratory Therapy Registry Exam Review	3
RES 2900 Clinical Experience I	4
RES 2910 Clinical Experience II	4
RES 2920 Clinical Experience III	4
RES 2930 Clinical Experience IV	4
RES 2940 Clinical Experience V	4
Total Minimum Required Area of Concentration Credits	76

GENERAL EDUCATION:

These courses are to be selected in consultation with the Program Director so as to effectuate a balanced educational program. Select a total (minimum) of 24 credit hours as indicated below:

Communications	12
Humanities and Fine Arts	4
Mathematics	4
Social and Behavioral Sciences	4
Total Minimum Required General Education Credits	24

TOTAL MINIMUM QUARTER CREDIT HOURS REQUIRED 108