

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