RTT 10000  INTRODUCTION TO RESPIRATORY THERAPY  4 Credit Hours
Establishes a foundation in the profession of respiratory care. Topics
include: patient assessment and monitoring, medical gas and humidity
therapy, infection control, communication and diversity, clinical
environment, patient education, disaster management, ethics and law,
quality assurance and evidence based medicine, industry standards,
and healthcare reimbursement.
Prerequisite: Admission to technical study.
Schedule Type: Laboratory, Lecture
Contact Hours: 3 lecture, 2.5 lab
Grade Mode: Standard Letter

RTT 11001  RESPIRATORY CARE PHARMACOLOGY  2 Credit Hours
Basic principles in pharmacology, specific to respiratory care, covering
the pharmacokinetic action of drugs, administration, calculations, and
effects on the body systems.
Prerequisite: RTT 11003 with a minimum grade of C (2.000).
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

RTT 11002  CARDIOPULMONARY DISEASES  3 Credit Hours
A study of diseases and disorders affecting the cardiopulmonary
system; etiology, pathophysiology, clinical manifestations, analyzing and
interpreting data, constructing respiratory care plans and the role of the
respiratory therapist in treatment.
Prerequisite: RTT 10000 and RTT 11003 with a minimum grade of C
(2.000).
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

RTT 11003  APPLICATION AND MECHANISMS OF CARDIOPULMONARY
ANATOMY AND PHYSIOLOGY  3 Credit Hours
Provides a solid foundation in cardiopulmonary anatomy and physiology
with relevant applied physiology as it relates to the profession of
respiratory care.
Prerequisite: respiratory therapy technology (RTT) major and admitted to
technical study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

RTT 11004  THERAPEUTICS  6 Credit Hours
Introduction to inhaled medication administration, hyperinflation
therapy, bronchopulmonary hygiene, and airway management. There is a
laboratory and clinical component.
Prerequisite: RTT 10000, 11003; all with a minimum grade of C (2.000).
Schedule Type: Clinic, Laboratory, Lecture
Contact Hours: 4 lecture, 3 lab, 8 other
Grade Mode: Standard Letter

RTT 11006  INTRODUCTION TO CLINICAL RESPIRATORY CARE  3
Credit Hours
Introduction to patient assessment and monitoring, communication,
infection control, medical records, medical gas and humidity therapy, and
the clinical environment. There is a laboratory component.
Prerequisite: respiratory therapy technology (RTT) major and admitted to
technical study.
Schedule Type: Laboratory, Lecture
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

RTT 11008  BLOOD GAS ANALYSIS  2 Credit Hours
A study of methods, equipment, and procedures for obtaining arterial
blood; additionally, the principles and standards of analysis and
applications of physiological data is stressed.
Prerequisite: RTT 10000 and RTT 11003 with a minimum grade of C
(2.000).
Schedule Type: Combined Lecture and Lab
Contact Hours: 1.5 lecture, 1.5 lab
Grade Mode: Standard Letter

RTT 21000  CRITICAL CARE  4 Credit Hours
An advanced-level course that provides a foundation for managing
patients in critical care utilizing mechanical ventilation, pharmacology, and
hemodynamic monitoring systems. Students perform, interpret and apply data, and learn advanced life support. There is a clinical component.
Prerequisite: RTT 21001 and 21003 with a minimum grade of C (2.000).
Schedule Type: Clinic, Lecture
Contact Hours: 3 lecture, 16 other
Grade Mode: Standard Letter

RTT 21001  MECHANICAL VENTILATION  5 Credit Hours
Establishes a foundation of mechanical ventilation and associated
equipment; assessment, monitoring and modifying parameters. There is
a laboratory and clinical component.
Prerequisite: RTT 11001 or AHS 12000; RTT 11002; RTT 11004; RTT
11008; BSCI 11010 and BSCI 11020 or BSCI 21010 and
BSCI 21020; PHY 12111 or PHY 13001; CHEM 10050 or CHEM 10055
or CHEM 10060; ENG 11011 or ENG 21011 or HONR 10197 or
HONR 10297; all with a minimum grade of C (2.000).
Schedule Type: Clinic, Laboratory, Lecture
Contact Hours: 4 lecture, 4 lab, 16 other
Grade Mode: Standard Letter

RTT 21003  PERINATAL AND PEDIATRIC RESPIRATORY THERAPY  2
Credit Hours
An intense study of assessing, providing, and evaluating neonatal and
pediatric respiratory care. Topics include: assessment of growth and
development from conception to delivery, resuscitation, persistent illness, therapeutic interventions, and managing mechanical ventilation.
Prerequisite: RTT 11001 or AHS 12000 with a minimum grade of C
(2.000) and RTT 11002 and RTT 11004 and RTT 11008 all with a
minimum grade of C (2.000).
Schedule Type: Combined Lecture and Lab
Contact Hours: 1.5 lecture, 1.5 lab
Grade Mode: Standard Letter
RTT 21004 ADVANCED DIAGNOSTICS 3 Credit Hours
Provides knowledge and skills necessary to work effectively in a pulmonary function laboratory. Topics include: spirometry, testing standards and techniques, equipment set up and utilization, analyzing test results and applying them in the clinical setting.
Prerequisite: RTT 11003 and 11008 with a minimum grade of C (2.000).
Schedule Type: Laboratory, Lecture
Contact Hours: 2 lecture, 1 lab
Grade Mode: Standard Letter

RTT 21005 PULMONARY REHABILITATION AND CONTINUING CARE 2 Credit Hours
Roles and functions of respiratory therapists in cardiopulmonary rehabilitation and home care.
Prerequisite: RTT 21001 with a minimum grade of C (2).
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

RTT 21006 PULMONARY REHABILITATION AND CONTINUING CARE 1 Credit Hour
Roles and functions of respiratory therapists in cardiopulmonary rehabilitation and home care.
Prerequisite: RTT 21001 with a minimum C grade.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Standard Letter

RTT 21010 RESPIRATORY THERAPY CAPSTONE COURSE 3 Credit Hours
Contemporary issues and trends in respiratory care; preparation for the CRT and RRT credentialing examinations; obtaining employment after graduation. There is a laboratory and clinical component.
Prerequisite: RTT 21000 with a minimum grade of C (2.000).
Schedule Type: Clinic, Laboratory, Lecture
Contact Hours: 1 lecture, 3 lab, 16 other
Grade Mode: Standard Letter

RTT 21012 BASIC RESEARCH DEVELOPMENT AND ANALYSIS 2 Credit Hours
Survey of research problems, methods, and designs utilized in respiratory care with a focus on developing analytical and critiquing skills.
Prerequisite: RTT 21000 with a minimum grade of C (2.000).
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

RTT 21013 RESPIRATORY THERAPY CAPSTONE 2 Credit Hours
Contemporary issues and trends in respiratory care; preparation for the CRT and RRT credentialing examinations; obtaining employment after graduation.
Prerequisite: RTT 21000 with a minimum C grade.
Schedule Type: Clinic, Laboratory, Lecture
Contact Hours: 1 lecture, 1 lab, 16 other
Grade Mode: Standard Letter

RTT 21095 SPECIAL TOPICS IN RESPIRATORY THERAPY 1-3 Credit Hours
(Repeatable for credit) Scheduled topics of interest to students and faculty.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 1-3 lecture
Grade Mode: Standard Letter

RTT 21096 INDIVIDUAL INVESTIGATION IN RESPIRATORY THERAPY 1-3 Credit Hours
(Repeatable for a maximum of 6 credit hours) Readings and/or investigation of respiratory therapy topics supervised by respiratory therapy faculty.
Prerequisite: respiratory therapy technology (RTT) majors.
Schedule Type: Individual Investigation
Contact Hours: 1-3 other
Grade Mode: Satisfactory/Unsatisfactory