

RESPIRATORY CARE (RET)

RET1024 INTRODUCTION TO RESPIRATORY CARE (1.00 Credits)

This course offers the student an overview of a career in respiratory care, the critical thinking methodology necessary for applying academic knowledge to problem based learning, and exposure to the level of comprehension needed for understanding the concepts in respiratory care.

Total Contact Hrs: 16.00

Lecture Hrs: 16.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: BSC2085 (minimum grade: C), Pre or Corequisite: CHM1032 (minimum grade: C)

RET1026 RESPIRATORY THERAPY EQUIPMENT (3.00 Credits)

This course reviews all of the equipment normally used for respiratory therapy with the exception of mechanical ventilation. Especially emphasized are methods used in manufacturing, storing and administering oxygen; humidity and aerosol therapy, airway management and airway clearance techniques.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in one of the following options:

- Option 1 - Prerequisite: BSC2085 (minimum grade: C) and CHM1032 (minimum grade: C), Pre or Corequisite: RET1026L (minimum grade: S)
- Option 2 - Prerequisite: BSC2085 (minimum grade: C) and CHM1032 (minimum grade: C), Pre or Corequisite: RET1485 (minimum grade: C)

RET1026L RESPIRATORY THERAPY EQUIPMENT LAB (1.00 Credits)

This course allows the student to work with and master the manipulative skills required to utilize respiratory therapy equipment. Emphasis is on oxygen, humidity and aerosol therapy, and airway management.

Total Contact Hrs: 48.00

Lab Hrs: 48.00

Fees: LABORATORY FEE \$90.00

Complete all the courses in one of the following options:

- Option 1 - Prerequisite: BSC2085 (minimum grade: C) and CHM1032 (minimum grade: C) and MAT1033 (minimum grade: C), Pre or Corequisite: RET1026 (minimum grade: C)
- Option 2 - Prerequisite: BSC2085 (minimum grade: C) and CHM1032 (minimum grade: C), Pre or Corequisite: RET1026 (minimum grade: C) and RET1485 (minimum grade: C)

RET1264 MECHANICAL VENTILATION (3.00 Credits)

This course describes the concepts of mechanical ventilation, current modes of ventilation, tailoring of the ventilator settings to meet patient needs, and patient assessment on mechanical ventilation. The student will learn the concepts of noninvasive ventilation. The principles and operation of commonly used ventilators are emphasized.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1026 (minimum grade: C) and RET1026L (minimum grade: S) and RET1485 (minimum grade: C), Corequisite: RET1264L (minimum grade: S) and RET1484 (minimum grade: C) and RET1832L (minimum grade: S)

RET1264L MECHANICAL VENTILATION LAB (1.00 Credits)

This course allows the student to work with all facets of mechanical ventilation to gain hands on experience prior to entering their adult critical care rotation.

Total Contact Hrs: 48.00

Lab Hrs: 48.00

Fees: LABORATORY FEE \$56.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1026 (minimum grade: C) and RET1026L (minimum grade: S) and RET1485 (minimum grade: C), Pre or Corequisite: RET1264 (minimum grade: C) and RET1484 (minimum grade: C) and RET1832L (minimum grade: S)

RET1350 CARDIOPULMONARY PHARMACOLOGY (3.00 Credits)

This course provides an overview of drugs related to the cardiopulmonary system with special emphasis on the drugs used to treat cardiac and pulmonary patients.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in the following option:

- Prerequisite: RET1485 (minimum grade: C)

RET1484 CARDIO PULMONARY PATHOPHYSIOLOGY (3.00 Credits)

This course is designed to introduce the students to the basic concepts of cardiopulmonary disease. Included are the mechanism of altered lung structure, airway caliber, neurogenic control and pulmonary vascular function.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1026 (minimum grade: C) and RET1026L (minimum grade: S) and RET1485 (minimum grade: C), Pre or Corequisite: RET1264 (minimum grade: C) and RET1264L (minimum grade: S) and RET1350 (minimum grade: C) and RET1832L (minimum grade: S)

RET1485 RESPIRATORY PHYSIOLOGY (3.00 Credits)

This course provides an in-depth study of the anatomy and physiology of the cardiopulmonary system. Included is a review of the physiology of respiration, ventilatory mechanics, neurogenic control, internal and external respiration and gas exchange.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

RET1832L RESPIRATORY THERAPY CLINIC I (3.00 Credits)

In this first clinical course, the students are oriented to the care of patients in the non- critical care setting. Tasks included are oxygen administration, medicated and non-medicated aerosol administration, chest physiotherapy, and airway care. Emphasis is on patient assessment, therapeutic intervention, and communication.

Total Contact Hrs: 256.00

Clinical Hrs: 256.00

Fees: EDU/ACCIDENT INSURANCE \$4.75, LIABILITY INSURANCE \$8.15

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1026 (minimum grade: C) and RET1026L (minimum grade: S) and RET1485 (minimum grade: C), Pre or Corequisite: RET1264 (minimum grade: C) and RET1350 (minimum grade: C) and RET1484 (minimum grade: C)

RET1833L RESPIRATORY THERAPY CLINIC II (2.00 Credits)

This clinic course represents continuation of the activities in Clinic I. By the end of this term the student must have mastered all non-critical care duties normally performed by respiratory therapists and the fundamentals of adult critical care. Special fee is charged.

Total Contact Hrs: 96.00

Clinical Hrs: 96.00

Fees: EDU/ACCIDENT INSURANCE \$4.75, LIABILITY INSURANCE \$8.15

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1264 (minimum grade: C) and RET1350 (minimum grade: C) and RET1484 (minimum grade: C) and RET1832L (minimum grade: S), Pre or Corequisite: RET2418 (minimum grade: C)

RET2265 ADVANCED RESPIRATORY EQUIPMENT (2.00 Credits)

This course introduces students to more advanced monitoring techniques in the areas of ventilation and oxygenation for the adult, pediatric and neonatal patient.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1833L (minimum grade: S) and RET2418 (minimum grade: C), Pre or Corequisite: RET2265L (minimum grade: S)

RET2265L ADVANCED RESPIRATORY EQUIPMENT LAB (1.00 Credits)

This course provides hands on interaction for students to learn the techniques of more advanced monitoring in the areas of ventilation and oxygenation for the adult, pediatric and neonatal patient.

Total Contact Hrs: 32.00

Lab Hrs: 32.00

Fees: LABORATORY FEE \$43.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1832L (minimum grade: S) and RET2418 (minimum grade: C), Pre or Corequisite: RET2265 (minimum grade: C) and RET2714 (minimum grade: C) and RET2834L (minimum grade: S)

RET2271L CARDIOPULMONARY FUNCTION AND SIMULATION (1.00 Credits)

This course allows students the opportunity to build hands-on skills with bedside pulmonary function testing and the six-minute walk test. Students will also practice cardiopulmonary clinical practice and critical thinking skills in a simulation-based environment.

Total Contact Hrs: 32.00

Lab Hrs: 32.00

Fees: LABORATORY FEE \$2.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1024 (minimum grade: C) and RET1026 (minimum grade: C) and RET1026L (minimum grade: S) and RET1264 (minimum grade: C) and RET1264L (minimum grade: S) and RET1350 (minimum grade: C) and RET1832L (minimum grade: S) and RET1833L (minimum grade: S) and RET2418 (minimum grade: C), Corequisite: RET2834L

RET2286C MANAGEMENT OF THE INTENSIVE CARE PATIENT (2.00 Credits)

This course provides an in depth discussion of several disease processes of the lung as well as other issues concerning the respiratory intensive care patient. This course fosters the physician to student relationship by providing physician lectures and clinical rounds with physicians.

Total Contact Hrs: 32.00

Lecture Hrs: 20.00

Lab Hrs: 12.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET2414 (minimum grade: C) and RET2714 (minimum grade: C) and RET2834L (minimum grade: S) and RET2934 (minimum grade: C), Corequisite: RET2601 (minimum grade: C) and RET2835L (minimum grade: S)

RET2414 RESPIRATORY THERAPY PULMONARY FUNCTION (1.00 Credits)

This course reviews techniques used for pulmonary function testing, blood gas analysis and the basic principles of cardiopulmonary stress testing. Techniques used in the diagnosis of cardiopulmonary disease are covered.

Total Contact Hrs: 16.00

Lecture Hrs: 16.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1485 (minimum grade: C) and RET1833L (minimum grade: S) and RET2418 (minimum grade: C), Corequisite: RET2714 (minimum grade: C) and RET2834L (minimum grade: S)

RET2418 CARDIOPULMONARY DIAGNOSTICS AND TECHNIQUES (2.00 Credits)

This course is designed to prepare the student to be a competent member of the resuscitation team, to assess cardiac function via EKG's and hemodynamic monitoring, and to prepare the student for advanced cardiac life support training.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1350 (minimum grade: C) and RET1485 (minimum grade: C) and RET1832L (minimum grade: S), Pre or Corequisite: RET1833L (minimum grade: S)

RET2601 RESPIRATORY THERAPY MANAGEMENT (1.00 Credits)

This course is designed to assist the student in successfully making the transition from the role of a student to that of a competent member of the health care team. Objectives include advanced cardiac life support certification and becoming a member of the national and state organization for respiratory care. Emphasis is placed on preparation and application for the national credential examinations and for the Florida state license.

Total Contact Hrs: 16.00

Lecture Hrs: 16.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET2414 (minimum grade: C) and RET2714 (minimum grade: C) and RET2834L (minimum grade: S) and RET2934 (minimum grade: C), Corequisite: RET2286C (minimum grade: C) and RET2835L (minimum grade: S)

RET2714 PEDIATRIC AND NEONATAL RESPIRATORY CARE (3.00 Credits)

This course emphasizes neonatal and pediatric diseases, their etiology and treatment. It encompasses the newest equipment and latest techniques used in monitoring and maintaining the respiratory compromised infant and pediatric patient.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1833L (minimum grade: C) and RET2418 (minimum grade: C), Pre or Corequisite: RET2414 (minimum grade: C) and RET2834L (minimum grade: S)

RET2834L RESPIRATORY THERAPY CLINIC III (3.00 Credits)

This clinical course is designed to introduce the student to all aspects of respiratory critical care. The students will work with patients in critical care with many different respiratory diseases and disorders. The students may also have the opportunity to work with neonatal and pediatric patients in the critical care environment. The student must be able to independently manage care for three critical care patients by the end of the semester. Special fee is charged.

Total Contact Hrs: 256.00

Clinical Hrs: 256.00

Fees: EDU/ACCIDENT INSURANCE \$4.75, LIABILITY INSURANCE \$8.15

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1833L (minimum grade: S) and RET2418 (minimum grade: C), Pre or Corequisite: RET2414 (minimum grade: C) and RET2714 (minimum grade: C)

RET2835L RESPIRATORY THERAPY CLINIC IV (3.00 Credits)

This is a continuation of the activities in Clinic III. The student's responsibility will increase as their clinical skills become more sophisticated. By the end of this term the student will assume all of the responsibilities required of critical care therapists with patients requiring ventilatory management or support. Special fee is charged.

Total Contact Hrs: 256.00

Clinical Hrs: 256.00

Fees: EDU/ACCIDENT INSURANCE \$4.75, LIABILITY INSURANCE \$8.15, LABORATORY FEE \$37.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET2414 (minimum grade: C) and RET2834L (minimum grade: S), Pre or Corequisite: RET2286C (minimum grade: C) and RET2601 (minimum grade: C)

RET2934 SELECTED TOPICS IN RESPIRATORY CARE (1.00 Credits)

This course will present information on recent changes in technology and therapeutic modalities used in Respiratory Care. The student will participate in literature review activities to enable them to remain knowledgeable of ongoing changes in the profession after they become Respiratory Care practitioners.

Total Contact Hrs: 16.00

Lecture Hrs: 16.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: RET1833L (minimum grade: S) and RET2414 (minimum grade: C) and RET2418 (minimum grade: C), Corequisite: RET2714 (minimum grade: C) and RET2834L (minimum grade: S)