2790:100 Concepts in Respiratory Therapy (3 Credits)
Prerequisites: 2030:152 and 2030:153. Introductory concepts regarding
the practice and application of the theories employed in respiratory
therapy, including career information, equipment (lecture/discussion)

2790:210 Respiratory Therapy Procedures I (3 Credits)
Prerequisites: [2790:100, 2750:120, and 2780:206] or [3100:200 and
3100:201]. Application of oxygen and aerosol therapy equipment.
Lecture/laboratory.

2790:215 Respiratory Therapy Pharmacology (3 Credits)
Prerequisites: 2790:100, 3150:110, and 3150:111. Pharmacologic actions
and effects of medications delivered by respiratory therapists, and routes
of administration.

2790:290 Special Topics: Respiratory Care (1-3 Credits)
Prerequisite: Permission. Selected topics or subject areas of interest in
respiratory therapy technology. (May be repeated for a maximum of three
credits)

2790:301 Cardiopulmonary Assessment Techniques (2 Credits)
Prerequisites: 2780:207 or [3100:202 and 3100:203]. Overall patient
assessment, with concentration on the cardiopulmonary systems.
Overview of common illness and related clinical manifestations. Lecture/
laboratory.

2790:302 Cardiopulmonary Anatomy and Physiology (3 Credits)
Prerequisites: [2790:210 and 2780:207] or [3100:202 and 3100:203]. Corequisite: 2790:301. Study of normal anatomy and physiology of
cardiopulmonary systems.

2790:303 Cardiopulmonary Pathology (4 Credits)
Prerequisites: 2790:301 and 2790:302. Discussion of diseases of the
heart and lungs, and their relationship to the role of the respiratory
therapist.

2790:311 Respiratory Therapy Procedures II (3 Credits)

2790:312 Diagnostics I (3 Credits)
Bedside screening studies for the evaluation of cardiopulmonary
diseases. Lecture/laboratory.

2790:313 Diagnostics II (3 Credits)
Prerequisites: 2790:311 and 2790:312. Corequisite: 2790:303. Laboratory
diagnostic studies for the evaluation of cardiopulmonary diseases.
Lecture/laboratory.

2790:315 Advanced Pharmacology for Respiratory Therapy (3 Credits)
Prerequisite: 2790:215. Pharmacologic actions and effects of
Cardiopulmonary Medications.

2790:320 Neonatal/Pediatrics for Respiratory Therapy I (3 Credits)
Prerequisite: 2790:301. In depth coverage of neonatal & pediatric
respiratory care concepts. Emphasis placed on anatomy and physiology,
assessment, and therapeutics.

2790:325 Mechanical Ventilation (4 Credits)
Introduction to mechanical ventilation and equipment. Lecture/lab.

2790:340 Application of Clinical Concepts (2 Credits)
Prerequisite: 2790:210. Corequisite: 2790:301. Introduction to basic
respiratory therapy in a hospital setting, and hands-on practice with
respiratory therapy equipment, including CPR for the professional.
Lecture/clinical.

2790:341 RT Clinical Experience I (3 Credits)
procedures in a hospital setting, with emphasis on basic therapeutic
interventions. Clinical. 225 clinical hours.

2790:342 RT Clinical Experience II (2 Credits)
Prerequisites: 2790:315, 2790:325, and 2790:341. Application of clinical
procedures in a hospital setting, with emphasis on mechanical ventilation
techniques. 150 clinical hours.

2790:413 Respiratory Therapy in Alternate Settings (3 Credits)
Prerequisite: 2790:313. Pulmonary rehabilitation and home care, as well
as care in alternate settings. Lecture/lab.

2790:420 Neonatal/Pediatrics for Respiratory Therapy II (3 Credits)
Prerequisite: 2790:320. Detailed study of airway management,
pulmonary rehabilitation and home care, as well as care in alternate settings. Lecture/lab.

2790:421 ACLS & PALS (3 Credits)
Cardiac Life Support and Pediatric Advanced Life Support, with mega
codes and case studies.

2790:430 Problems in Respiratory Therapy (4 Credits)
Prerequisites: 2790:313, 2790:420, and 2790:443. Capstone course,
applies the concepts from clinical situations, using computer simulations
and evaluates research in Respiratory therapy.

2790:443 RT Clinical Experience III (4 Credits)
Prerequisite: 2790:342. Rotation to a variety of Health care facilities to
practice specialty procedures from each institution. 300 clinical hours.

2790:444 RT Clinical Experience IV (4 Credits)
Prerequisite: 2790:443. Rotation to a variety of Health care facilities to
practice specialty procedures from each institution. Clinical (total of 300
hours).