

## RES — Respiratory Care

### RES 101 Intro to Respiratory Care 2-3-3

This course includes introduction topics pertinent to entering the respiratory care profession, i.e., medical terminology, ethical issues, and legal issues.

### RES 111 Pathophysiology 2-0-2

**Prerequisites:** RES 101

This course is a study of the general principles and analyses of normal and diseased states.

### RES 121 Respiratory Skills I 3-3-4

This course includes a study of basic respiratory therapy procedures and their administration. Skills required to be a Respiratory Care Professional are detailed in this course.

### RES 131 Respiratory Skills II 3-3-4

**Prerequisites:** RES 121

This course is a study of selected respiratory care procedures and applications.

### RES 141 Respiratory Skills III 2-3-3

**Prerequisites:** RES 246

This course covers mechanical ventilation systems, pediatrics and associated monitors.

### RES 152 Clinical Applications II 0-9-3

This course includes practice of respiratory care procedures in the hospital setting.

### RES 154 Clinical Applications II 0-12-4

**Prerequisites:** RES 152

This course includes practice of respiratory care procedures in the hospital setting.

### RES 204 Neonatal/Pediatric Care 2-3-3

**Prerequisites:** RES 141

This course focuses on cardiopulmonary physiology, pathology, and management of the newborn and pediatric patient.

### RES 220 Hemodynamic Monitoring 1-0-1

**Prerequisites:** RES 111

This course is a study of basic hemodynamic monitoring.

### RES 232 Respiratory Therapeutics 2-0-2

**Prerequisites:** RES 121 and RES 101 and RES 246

This course is the study of specialty areas in respiratory care, including rehabilitation.

### RES 235 Respiratory Diagnostics 3-3-4

**Prerequisites:** RES 101

This course is a study of diagnostic and therapeutic procedures.

### RES 236 Cardiopulmonary Diagnostics 3-0-3

**Prerequisites:** RES 235

This course focuses on the purpose, use, and evaluation of equipment/procedures used in the diagnosis and therapeutic management of patients with cardiopulmonary disease.

### RES 242 Adv Respiratory Care Trans 0-3-1

**Prerequisites:** RES 236 and RES 204 and RES 253

**Corequisites:** RES 244, RES 254

This course provides a comprehensive review of respiratory care.

### RES 244 Advanced Respiratory Skills I 3-3-4

**Prerequisites:** RES 204 and RES 236 and RES 253

**Corequisites:** RES 242, RES 254

This course includes an in-depth study of mechanical ventilation and considerations for management of the critical care patient.

### RES 246 Respiratory Pharmacology 2-0-2

This course includes a study of pharmacologic agents used in cardiopulmonary care.

### RES 249 Comprehensive Applications 0-6-2

**Prerequisites:** RES 152 and RES 154

This course includes the integration of didactic and clinical training in respiratory care technology. This section will introduce the student to the alternative types of Respiratory Care including Homecare, Sleep Clinics, and Outpatient testing labs.

### RES 253 Adv Clinical Studies I 0-18-6

**Prerequisites:** RES 152 and RES 154 and RES 249

This course includes clinical instructions in advanced patient care practice.

### RES 254 Adv Clinical Studies II 0-21-7

**Prerequisites:** RES 204 and RES 236 and RES 253

**Corequisites:** RES 242, RES 244

This course includes clinical instruction in advanced patient care practice.