

## RES - RESPIRATORY CARE (RES)

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### **RES 101 Introduction to Respiratory Care 3 SHC**

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

Prerequisites: Admission to the program.

Corequisites: RES 121.

Lecture Hours: 3

Lab/Clinical Hours: 0

### **RES 111 Pathophysiology 2 SHC**

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

Prerequisites: RES 123 and BIO 211.

Corequisites: RES 131.

Lecture Hours: 2

Lab/Clinical Hours: 0

### **RES 121 Respiratory Skills I 4 SHC**

This course includes a study of basic respiratory therapy procedures and their administration.

Prerequisites: Admission to program.

Corequisites: RES 123.

Lecture Hours: 3

Lab/Clinical Hours: 3

### **RES 123 Cardiopulmonary Physiology 3 SHC**

This course covers cardiopulmonary physiology and related systems.

Prerequisites: Admission to program and BIO 211.

Corequisites: RES 160.

Lecture Hours: 3

Lab/Clinical Hours: 0

### **RES 131 Respiratory Skills II 4 SHC**

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

Prerequisites: RES 121.

Corequisites: RES 151.

Lecture Hours: 3

Lab/Clinical Hours: 3

### **RES 141 Respiratory Skills III 3 SHC**

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

Prerequisites: RES 131.

Corequisites: RES 152.

Lecture Hours: 2

Lab/Clinical Hours: 3

### **RES 151 Clinical Applications I 5 SHC**

This course covers the fundamental respiratory care procedures in the hospital setting.

Prerequisites: RES 160.

Corequisites: RES 131.

Lecture Hours: 0

Lab/Clinical Hours: 15

### **RES 152 Clinical Applications II 3 SHC**

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

Prerequisites: RES 151.

Corequisites: RES 141.

Lecture Hours: 0

Lab/Clinical Hours: 9

### **RES 160 Clinical I 1 SHC**

This course provides an introduction to the hospital setting and basic oxygen therapy.

Prerequisites: Admission to program.

Corequisites: RES 101.

Lecture Hours: 0

Lab/Clinical Hours: 3

### **RES 204 Neonatal/Pediatric Care 3 SHC**

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

Prerequisites: RES 111 and RES 131.

Corequisites: RES 152.

Lecture Hours: 3

Lab/Clinical Hours: 0

### **RES 206 Respiratory Care for the Gerontological Patient 2 SHC**

This course is a study of respiratory care as it relates to the psychological, physiological, and social aspects of a gerontological client.

Prerequisites: RES 111.

Corequisites: RES 141.

Lecture Hours: 2

Lab/Clinical Hours: 0

### **RES 207 Management in Respiratory Care 2 SHC**

This course is a study of health care management, emphasizing the importance of good planning, decision-making, and organizational skills as they relate to respiratory care.

Prerequisites: RES 232.

Corequisites: RES 251.

Lecture Hours: 2

Lab/Clinical Hours: 0

### **RES 232 Respiratory Therapeutics 2 SHC**

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

Prerequisites: RES 111 and RES 123.

Corequisites: RES 255.

Lecture Hours: 2

Lab/Clinical Hours: 0

### **RES 244 Advanced Respiratory Skills I 4 SHC**

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

Prerequisites: RES 123, RES 141, and RES 152.

Corequisites: RES 255.

Lecture Hours: 3

Lab/Clinical Hours: 3

**RES 245 Advanced Respiratory Skills II 2 SHC**

This course includes an in-depth study of pulmonary function and other considerations for pulmonary patients.

Prerequisites: RES 111.

Corequisites: RES 255.

Lecture Hours: 2

Lab/Clinical Hours: 0

**RES 246 Respiratory Pharmacology 2 SHC**

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

Prerequisites: RES 101, RES 123, and BIO 211.

Corequisites: RES 151.

Lecture Hours: 2

Lab/Clinical Hours: 0

**RES 249 Comprehensive Applications 2 SHC**

This course includes the integration of didactic and clinical training in respiratory care technology.

Prerequisites: RES 244 and RES 255.

Corequisites: 251.

Lecture Hours: 1

Lab/Clinical Hours: 3

**RES 251 Clinical Applications III 8 SHC**

This includes rotations in all areas of patient care with a primary emphasis on intensive care.

Prerequisites: RES 255.

Corequisites: RES 249.

Lecture Hours: 0

Lab/Clinical Hours: 24

**RES 255 Clinical Practice 5 SHC**

This course includes clinical training with emphasis on intensive care.

Prerequisites: RES 152.

Corequisites: RES 244.

Lecture Hours: 0

Lab/Clinical Hours: 15