Respiratory Care (RC)

RC 100. Foundations of Respiratory Care. 3 Credit Hours.
Foundations of Respiratory Care introduces students to the profession of respiratory care. The course will include the history of the profession, as well as the current and future roles of the respiratory care practitioner. The application of patient safety, communication, ethics, physical sciences, and microbiology to the field of respiratory care will be covered. This course will also include an overview of medical terminology.
Prerequisite: Reading Proficiency.

RC 200. Adult Critical Care. 3 Credit Hours.
Adult Critical Care provides classroom instruction and laboratory practice of advancing topics centered around invasive mechanical ventilation. Topics will include methods to improve oxygenation and ventilation, troubleshooting, graphics analysis, and weaning invasive mechanical ventilation. The course will provide discussion on advanced modes and settings, high-frequency ventilation, and long-term ventilation strategies.
Prerequisites: RC 140, RC 150, and Reading Proficiency.

RC 240. Respiratory Care Specialties. 3 Credit Hours.
Respiratory Care Specialties provides an introduction to the specialty areas in which a respiratory care practitioner can work. These areas include, but are not limited to oxygen therapy, humidity and bland aerosol therapy, hyperinflation therapy, airway clearance therapies, and aerosolized medication therapy.
Prerequisites: RC 200, RC 210, RC 220, and Reading Proficiency.
**RC 250. Respiratory Care Capstone. 4 Credit Hours.**
Respiratory Care Capstone provides an overview of the research process used in respiratory care. The course will also discuss leadership roles in the field. Students will be given an opportunity to complete a project centered around respiratory care leadership or research. The course will also provide students with an opportunity to practice for the National Board for Respiratory Care (NBRC) exams required to obtain the Registered Respiratory Therapist (RRT) credential.
Prerequisites: RC 200, RC 210, RC 220, RC 230, and Reading Proficiency.

**RC 260. Respiratory Care Clinical Practice IV. 2 Credit Hours.**
Respiratory Care Clinical Practice IV focuses on the assessment of patients and the application of respiratory care in the critical care setting. Specialty rotations may include, but are not limited to: neonatal and pediatric respiratory care, airway management, and long-term care.
Prerequisites: RC 200, RC 210, RC 220, RC 230, and Reading Proficiency.