

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** RTH 295

**Credits:** 1

**Course Title:** Topics in Respiratory Therapy: Advanced Cardiac Life Support

**Course Description:** Designed for health care professionals who are responsible for direct patient care. Lecture and hands-on training provide the delivery of life-saving techniques when faced with an emergency. Presents the recognition and management of life-threatening occurrences through airway stabilization, rhythm recognition, and pharmacologic therapy. Prerequisites: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy. Lecture 1 hour per week.

**General Course Purpose:** This course is designed for Respiratory Therapy students who are part of the Rapid Response Team in a hospital setting.

**Course Prerequisites and Co-requisites:**

Prerequisites: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- Recognize the adult in peri-arrest and/or at risk of cardiopulmonary arrest;
- Demonstrate the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest;
- Demonstrate the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control;
- Identify normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies;
- State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system;
- Perform techniques to obtain vascular access; and
- Perform advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

**Effective Date of Course Content Summary:** December 1, 2017