

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title: Advanced Critical Care Clinical**

**Prefix and Course Number: RT 425**

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**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

During this second clinical rotation, the student is expected to adhere to the student policies and grading timelines, while they observe, assist and apply, under direct supervision, all of the following:

- Demonstrate previously learned clinical skills, while displaying appropriate cognitive behavior, affective behavior and work ethic traits to include attendance per assigned clinical schedule
- Select of appropriate equipment in a corresponding storage area for patient care.
- Provide lung protective measures to prevent barotrauma, volutrauma, atelectrauma and biotrauma
- Demonstrate how to draw from the Arterial Line and/or Pulmonary Artery Mixed Venous port
- Apply methods for improving oxygenation and ventilation with the addition of Mobility, Prone, APRV and PRVC, VC, VS, PAV and Permissive Hypercapnia technique.
- Perform adult ventilator monitoring with the addition of:
  - Rapid Shallow Breathing Index
  - Pressure Volume Curve, Flow Volume Loop and Flow Time Curve for Auto PEEP
  - Mean Airway Pressure
  - Hemodynamics from PA catheter, Central Venous Catheter and/or SvO<sub>2</sub> monitor
  - Chest Tube and drainage system integrity
- Transport a patient within the hospital using a bag/valve resuscitator or transport ventilator including to MRI
- Complete with daily logs, weekly self-evaluations, of practice skills with perception of day activities/events and physician interactions
- Complete weekly self-evaluations with bi weekly self-assessment of strengths and weaknesses, ventilator patient care plans, physician interactions, and preceptor evaluations
- Function as an active member of the Health Care Team

**Course Outline:**

- I. Orientation to facility to include tour of Adult Critical Care Environment and Surgery, equipment storage areas, and Respiratory Care Department with log in sheets, excused absenteeism forms and timeline for notebook review
- II. Continuation of Electronic medical record keeping requirements
- III. Participating in Shift Reports and Time Management with assigned patient duties

- IV. Continued Chart Review for patients and appropriate documentation after therapy or transport
- V. Attending physician rounds and other physician interaction opportunities at bedside
- VI. Continued Adult Critical Care Patient Care Plans on specific patients with a ventilator flowsheet and hemodynamic monitoring
- VII. Maintenance of previous completed skills and notebooks
- VIII. Completion of performance skills, daily logs, weekly self-evaluations, patient care plans, physician interactions, preceptor evaluations weekly and additional options leading to the final grade
- IX. Identifying a patient for potential Written and Oral Case study for next term