

## Course Description

This condensed, detailed review of AACN's blueprint for the CCRN Certification Examination is designed for the critical care nurse preparing for the examination. The instructor will provide a lecture format covering anatomy and physiology, assessment (including hemodynamics and utilization of noninvasive and invasive monitoring tools) and pathophysiology in a systems approach. Topics include: cardiac, pulmonary, neurology, renal, endocrine, hematology, gastrointestinal, psychological and legal aspects of care. This review is not an introduction to the critical care environment, but a comprehensive overview of information for the nurse preparing for the CCRN Examination.

## Program Learning Outcomes

*This program prepares the learner to:*

- Discuss and practice test-taking skills.
- Review critical anatomy, physiology and pathophysiology of each system.
- Discuss significant assessment and diagnostic findings relevant to the critical care environment.
- Discuss clinical presentation as well as specific patient management of commonly seen critical care conditions.

## Agenda

*Sign-in begins at 7:30 am.* The day includes a 45-minute lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

### 8:00 am to 5:00 pm

#### **Test-Taking Strategies**

CCRN Requirements | Studying Plan | Exam Content | Test-Taking Commandments

#### **Hematology System**

Coagulopathies

#### **Cardiac System**

Hemodynamics, Invasive Lines | Acute Coronary Syndromes | Acute Myocardial Infarction | Acute Peripheral Vascular Insufficiency | Cardiac Surgery/Trauma | Cardiomyopathies | Dysrhythmias | Ruptured/Dissecting Aneurysm

#### **Endocrine System**

Diabetes Insipidus | SIADH | Diabetes | Ketoacidosis | HHS

### **Lunch 12:00 pm to 12:45 pm**

#### **Neurological System**

Intracranial/Intraventricular Hemorrhage | Heat Trauma | Seizure Disorders | Encephalopathies | Intracranial Pressure Monitoring | Brain Dead | Arteriovenous Malformation | Neurologic Infectious Disease | Neuromuscular Disorders | Brain Tumors | Stroke

#### **Renal System**

Acute Renal Failure | Chronic Renal Failure | Life-Threatening Electrolyte Imbalances

#### **Pulmonary System**

Acute Lung Injury and Acute Respiratory Distress Syndrome | Mechanical Ventilation | Arterial Blood Gases | Acute Pulmonary Embolism | Acute Respiratory Failure | Pneumothorax and Tension Pneumothorax | Pulmonary Hypertension | Status Asthmaticus | Thoracic Surgery and Trauma

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### **Gastrointestinal System**

Hepatic Failure and Coma | Pancreatitis | Acute Gastrointestinal Hemorrhage | Acute Abdominal Trauma | Bowel Infarction and Obstruction | Malnutrition and Malabsorption

### **Multisystem Review**

Systemic Inflammatory Response Syndrome and Sepsis | Shock States | Toxin and Drug Overdose or Exposure | Multiorgan Dysfunction Syndrome | Trauma

## **Accreditation**

**RN/LPN/LVN/Other: 7.75 Contact Hours**

***Includes 2 Pharmacology Contact Hours***

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