

As the national leader in acute and critical care nursing, we provide a wide array of educational tools and materials for professional development.

**Continuing Education** Every one of more than 300 CE opportunities on the AACN Online CE Center is FREE to AACN members. Take advantage of online features such as access to your personal transcript record and all your CE certificates.

**Comprehensive Bookstore** A wide range of textbooks, manuals, handbooks, CE courses, certification review programs and other practice and educational resources is available through the AACN Online Bookstore.

**The National Teaching Institute & Critical Care Exposition®** NTI is the leading conference for nurses who care for acutely and critically ill patients and includes hundreds of educational sessions, certification review courses and exams, a professional development component for advanced practice nurses, career development opportunities, and exhibits from major health-care companies introducing their latest technologies.

**Evidence-Based Practice Alerts** The goal of the Practice Alerts is to help nurses and other healthcare professionals carry their bold voices to the bedside and to directly impact patient care. Practice Alerts are succinct, dynamic directives from AACN that are supported by authoritative evidence to ensure excellence in practice and a safe and humane work environment.

**E-Learning** AACN offers quality, up-to-date, Web-based educational courses that are accessible anytime, self-paced, easy to use, time-efficient and cost-effective. These courses offer many advantages over traditional classroom teaching and allow educators to focus on applied clinical training using a blended learning approach.

“ECCO is also a great recruiting tool...it allows us to hire exceptional nurses we may have lost in the past.”

—Paul St. Laurent, APRN, MSN, CCRN, ACNP-BC • Dallas, TX

## Want to learn more about Essentials of Critical Care Orientation?

For information about product features, pricing and technical requirements, please visit [www.aacn.org/e-learning](http://www.aacn.org/e-learning) or call us at 800/899-0573.

## Other E-Learning courses from AACN

**Basic ECG Interpretation** Includes detailed content on cardiac physiology, ECG equipment, lead placement, and the analysis and interpretation of dysrhythmia. Ideal for critical care nurses, cardiac technicians or anyone working with cardiac patients.

**Essentials of Nurse Manager Orientation** A comprehensive course for frontline managers, charge nurses, aspiring managers and leadership staff. Developed in partnership with the American Organization of Nurse Executives (AONE), it's the first course created specifically for nurse managers.

**Essentials of Pediatric Critical Care Orientation** Provides a foundation of pediatric acute and critical care nursing education and bridges the knowledge gap between what nurses learn in school and what they need to know to work in the pediatric critical care environment. Created by *Child Health Corporation of America* hospital experts.

**Promoting Excellence in Palliative & End of Life Care** This 3.5 hour course addresses one of the most stressful aspects of nursing practice: dealing with patients and their families at the most difficult times in their lives.

**The AACN Preceptor Development Program** This 3.5 hour course for nurses working in all patient care areas provides a practical application of theory-based precepting in real-world situations.

 AACN  
E-LEARNING

Essentials of Critical Care Orientation is a strong critical care education foundation

AMERICAN  
ASSOCIATION  
of CRITICAL-CARE  
NURSES

# Essentials of Critical Care Orientation Course Outline

## Module 1: Introduction to Care of the Critically Ill

- Lesson 1: Introduction to AACN
- Lesson 2: Care of Specialty Populations in Critical Care
- Lesson 3: Organizing Care of the Critically Ill Patient
- Lesson 4: Evidence-Based Practice
- Lesson 5: Special Procedures in the Critical Care Unit

## Module 2: Care of the Patient with Cardiovascular Disorders

- Lesson 1: Cardiovascular Anatomy & Physiology\*
- Lesson 2: Assessing the Cardiovascular System
- Lesson 3: Management of Acute Coronary Syndromes
- Lesson 4: Pathological Conditions
- Lesson 5: Cardiac Surgical Interventions
- Lesson 6: Cardiac Pacemakers

## Module 3: Care of the Patient with Pulmonary Disorders

- Lesson 1: Pulmonary Anatomy and Physiology\*
- Lesson 2: Respiratory Assessment, Diagnostic and Monitoring
- Lesson 3: Pathologic Conditions
- Lesson 4: Airway Management
- Lesson 5: Basic Ventilator Management
- Lesson 6: Thoracic Surgical Procedures

## Module 4: Basic Hemodynamic Monitoring

- Lesson 1: Basics of Hemodynamic Monitoring Systems
- Lesson 2: Arterial Pressure Monitoring
- Lesson 3: Central Venous Catheters
- Lesson 4: Pulmonary Artery Catheters
- Lesson 5: Cardiac Output Monitoring
- Lesson 6: Oxygenation and Transport
- Lesson 7: Pharmacological Management of Hemodynamics

## Module 5: Care of the Patient with Neurological Disorders

- Lesson 1: Neurologic System Anatomy and Physiology\*
- Lesson 2: Special Neurologic Assessment Techniques

- Lesson 3: Neurologic Monitoring
- Lesson 4: Ischemic & Hemorrhagic Stroke
- Lesson 5: Other Pathological Conditions

## Module 6: Care of the Patient with Gastrointestinal Disorders

- Lesson 1: Gastrointestinal System Anatomy and Physiology\*
- Lesson 2: Diagnostic Testing
- Lesson 3: Pathologic Conditions
- Lesson 4: Nutritional Support of Critically Ill Patients

## Module 7: Care of the Patient with Renal Disorders

- Lesson 1: Renal System Anatomy and Physiology\*
- Lesson 2: Assessment Techniques, Diagnostic Tests and Monitoring
- Lesson 3: Fluid and Electrolyte Disturbances
- Lesson 4: Renal Disease
- Lesson 5: Renal Replacement Therapy

## Module 8: Care of the Patient with Endocrine Disorders

- Lesson 1: Endocrine System Anatomy and Physiology\*
- Lesson 2: Endocrine System Assessment
- Lesson 3: Pathologic Conditions
- Lesson 4: Managing Hyperglycemia in the Critically Ill Patient

## Module 9: Care of the Patient with Hematological Disorders

- Lesson 1: Hematologic System Anatomy and Physiology\*
- Lesson 2: Assessment, Diagnostic Tests and Monitoring Systems
- Lesson 3: Pathologic Conditions

## Module 10: Care of the Patient with Multisystem Issues

- Lesson 1: Shock
- Lesson 2: Sepsis, SIRS & MODS
- Lesson 3: Overdose

\*Optional content for the end-user

www.aacn.org/e-learning

“Use of the ECCO program has enabled me to develop more interactive classroom content because the didactic component is covered within the online content.”

—Ali Graham, RN, BSN, E-Learning Specialist • Orlando, FL

## A Comprehensive Web-based Introduction to Critical Care Nursing

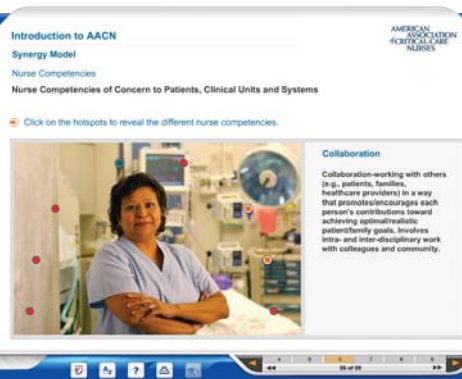
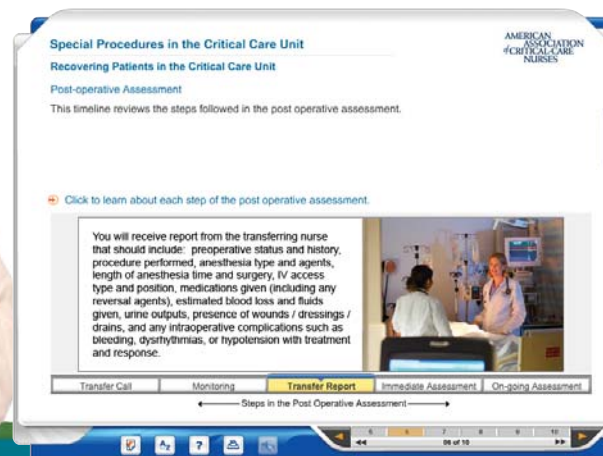
*Essentials of Critical Care Orientation* (ECCO) focuses on the fundamentals, providing the theoretical foundation necessary to care for critically ill patients. First released in 2002 and in use by more than 700 hospitals in the United States and Canada, this course should be a part of every new critical care nurse's orientation.

In the latest version of ECCO, nurses will find the content they have come to count on, as well as more interactivity, more case studies and more critical thinking exercises.

ECCO includes 10 learning modules, organized using a body systems approach. Modules are comprised of multiple lessons that provide in-depth, interactive content with rich graphics and illustrations that keep learners engaged. Body system modules include a detailed review of anatomy and physiology. The course provides a total of 69 hours of CNE credit.



Cost-effective and time-efficient



Self-paced and easy to access

## Essentials of Critical Care Orientation Web-based benefits include—

### Self-paced and easy-to-access.

Learners set their own pace and access course material from any computer with broadband Web access. Material can be revisited for up to one year as needed.

**Flexible and adaptable.** The entire course takes approximately 69 hours to complete and can be paced in smaller learning lessons. The modular design lets educators tailor information to specific lesson plans.

### Regular updates.

Online access ensures that learners receive up-to-date information with regular revisions.

### Cost-effective and time-efficient.

Online education allows course content to be accessed away from the classroom so educators can incorporate critical thinking and clinical skills into their orientation programs.

**Easy-to-use tracking.** Scored tests at the end of each module indicate comprehension level and enable learners and educators to pinpoint specific learning needs. AACN's LearnCenter tracks individual and group progress through the course.

**About AACN.** Founded in 1969, the American Association of Critical-Care Nurses (AACN) is the largest specialty nursing organization in the world. Our vision is to create a healthcare system driven by the needs of patients and their families where acute and critical care nurses make their optimal contribution.

For more information about *Essentials of Critical Care Orientation*, please visit [www.aacn.org/e-learning](http://www.aacn.org/e-learning)