

Pharmacologic Management in Critical Care and Emergency Medicine



Course Description

This course is designed to broaden and deepen the critical care and/or emergency medicine nurse's knowledge and application of pharmacologic treatment principles. This course is designed to build a strong foundation of critical understanding of pharmacokinetic basics that can be applied to all drugs. The course will then explore common conditions found in critical patient populations with an emphasis on pharmacologic management.

Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge that will positively impact their practice.

Program Objectives

This program prepares the learner to:

- Apply pharmacokinetic principles to pharmacological management of critical care and emergency medicine conditions (including overdose).
- Practice evidence-based medicine according to current guidelines and recent literature.
- Identify and utilize appropriate drug resources and references to procure relevant drug information.

Agenda

Sign-in begins at 7:30 am. Each day includes a one-hour 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.

Day 1, 8:00 am to 4:30 pm

Pharmacokinetics

Principles of Renal Function and Renal Dosing

Rapid Sequence Intubation

Sedation and Analgesia

Electrolyte Abnormalities

Sepsis

Day 2, 8:00 am to 4:30 pm

Diabetic Ketoacidosis

Anticoagulation I

Anticoagulation II

Toxicology I

Toxicology II

Sepsis

Accreditation

RN/LPN/LVN/Other: 14 Contact Hours

Includes 14 Pharmacology Contact Hours

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation (**ANCC**).

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

© 2026 MED-ED, Inc. All rights reserved.

