

Advanced Cardiovascular Life Support (ACLS)

FACT SHEET

Introduction

The **Advanced Cardiovascular Life Support (ACLS)** is an advanced, instructor-led classroom course that highlights the importance of team dynamics and communication, systems of care and immediate post-cardiac-arrest care. It also covers airway management and related pharmacology. In this course, skills are taught in large, group sessions and small, group learning and testing stations where case-based scenarios are presented

Who should attend this course?

ACLS is designed for healthcare professionals who either direct or participate in the management of cardiopulmonary arrest and other cardiovascular emergencies. This includes personnel in emergency response, emergency medicine, intensive care and critical care units.

ACLS Course Features:

Course uses learning stations for practice of essential skills and simulated clinical scenarios that encourage Active participation

Hands-on class format reinforces skills proficiency

Classroom-based learning works well for learners who prefer group interaction and instructor feedback while learning skills

The **ACLS** training program covers:

- ✿ Recognition and treatment of infants and children at risk for cardiopulmonary arrest
- ✿ Key changes in advanced cardiovascular life support, reflecting the 2010 Guidelines for Cardiopulmonary Resuscitation (CPR) and Emergency Cardiovascular Care (ECC)

- ✿ Basic life-support skills, including effective chest compressions, use of a bag-mask device and an automated external defibrillator (AED)
- ✿ Recognition and early management of respiratory and cardiac arrest using a manual defibrillator and equipment commonly found on a crash cart
- ✿ Recognition and early management of peri-arrest conditions such as symptomatic bradycardia
- ✿ Airway management
- ✿ Related pharmacology
- ✿ Management of acute coronary syndromes (ACS) and stroke
- ✿ Effective communication as a member and leader of a resuscitation team
- ✿ Effective resuscitation team dynamics

Course format/ time 12 hours including skills practice and skills testing, plus additional time for breaks and lunch.

Course time based on 1 instructor: 6 student: 2 manikins. Classroom-based (instructor and video, with skills conducted throughout)

End of course assessments:

Written exam and skills test

Certification

Upon successful course completion, including demonstration of skills competency in all learning stations and passing the CPR and AED skills test, bag-mask ventilation skills test, a Megacode test and a written test, students receive an **ACLS** course completion card, valid for two years.

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