

Advanced Cardiac Life Support (ACLS)



- **COURSE DESCRIPTION:**

The American Heart Association's Advanced Cardiovascular Life Support course is totally redesigned for healthcare providers who either direct or participate in the resuscitation of a patient, whether in or out of hospital. Through the ACLS course, providers will enhance their skills in the treatment of the adult victim of a cardiac arrest or other cardiopulmonary emergencies.

ACLS emphasizes the importance of basic life support CPR to patient survival; the integration of effective basic life support with advanced cardiovascular life support interventions; and the importance of effective team interaction and communication during resuscitation.

ACLS is based on simulated clinical scenarios that encourage active, hands-on participation through learning stations where students will practice essential skills individually, as part of a team, and as team leader. Realistic simulations reinforce the following key concepts: proficiency in basic life support care; recognizing and initiating early management of peri-arrest conditions; managing cardiac arrest; identifying and treating ischemic chest pain and acute coronary syndromes; recognizing other life-threatening clinical situations (such as stroke) and providing initial care; ACLS algorithms; and effective resuscitation team dynamics.

- **COURSE OBJECTIVES:**

1. Recognize the signs & symptoms of acute MI & stroke.
2. Demonstrate the use of various airway & oxygen adjuncts; identify methods for airway control & optimum ventilation (including endotracheal intubation) during cardiac arrest.
3. Describe the indications, precautions and proper use of electrical therapy devices including AED and external pacemaker.
4. Identify normal and abnormal cardiac rhythms.
5. Utilize cardiovascular pharmacological agents;
6. Demonstrate one and two-rescuer CPR in adult.
7. Demonstrate knowledge and skills as team leader in a Mega code and team member.

- **COURSE LENGTH: 2 Days**

- **Target Audience:**

The course is designed for medical providers such as physicians, nurses, emergency medical technicians, paramedics, respiratory therapists, and other professionals who may respond to a cardiovascular emergency.

- **Student Materials: ACLS Provider manual**

BLS STRONGLY recommended as prerequisites to attending ACLS.

- **Graduates of the Courses will receive:**

**ACLS certification and completion card from AHA with minimum grade of 84%.
Graduates of the ACLS Courses will receive ACLS certification and completion card from AHA valid for 2 years.**

