



# Medical Advancement Center

## Class Descriptions

Please call 714-952-8964 to register for CE courses.

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We are constantly developing new courses and re-evaluating existing courses. If you or your organization has a requirement for a course not listed, please call.

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### **ACLS - Advanced Cardiac Life Support**

Pre-Requisites: Current BLS-CPR card and a basic working knowledge of EKG Rhythm interpretation. Study in the AHA Textbook of ACLS is recommended.

After the ACLS course is successfully completed and the ACLS exam is passed, Medical Advancement Center will issue a CE Certificate. The American Heart Association will issue an ACLS Provider Card by email. Please register early so you will have time to work with the pre-class study materials that we provide and take the ACLS pre-course self-assessment. An American Heart Association ACLS textbook is required for the course. This book may be purchased from the American Heart Association.

Please bring a copy of your BLS-CPR card.

Note: the AHA requires that all students must take their pre-course self-assessment. The self-assessment takes about 2 hours to complete. Upon completion the assessment must be printed and turned into the course instructor. The assessment is at [www.heart.org/eccstudent](http://www.heart.org/eccstudent) and the code is ACLS.

2 Day Certification Course  
10 CE Credits Issued

Individual Rate:	\$195.00 ea.
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Fees collected do not represent income to the American Heart Association.



# Medical Advancement Center

## Class Descriptions

### ACLS Re-Certification

Pre-Requisites: Current ACLS Provider Card and a current BLS-CPR Card. Study in the American Heart Association's textbook of ACLS is recommended.

After the ACLS course is successfully completed and the ACLS exam is passed, Medical Advancement Center will issue a CE Certificate. The American Heart Association will issue an ACLS Provider Card by email. Please register early so you will have time to work with the pre-class study materials that we provide and take the ACLS pre-course self-assessment. An American Heart Association ACLS textbook is required for the course. This book may be purchased from the American Heart Association for an additional fee.

Please bring a copy of your current ACLS and BLS-CPR cards.

Note: the AHA requires that all students must take their pre-course self-assessment. The self-assessment takes about 2 hours to complete. Upon completion the assessment must be printed and turned into the course instructor. The assessment is at [www.heart.org/eccstudent](http://www.heart.org/eccstudent) and the code is ACLS.

1 Day Re-Certification Course  
5 CE Credit Issued

Individual Rate:	\$125.00 ea.
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Fees collected do not represent income to the American Heart Association.

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### BLS, CPR & AED Certification

Get your mandatory American Heart Association CPR certification. AED and BLS will be covered in addition to CPR for adults, children and infants. Upon successful completion of this course the student will receive an American Heart Association Health Care Provider BLS Card.

*We can also provide group classes at your facility.*

1/2 Day Course

Full Certification:	\$45.00 ea.
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Fees collected do not represent income to the American Heart Association.



# Medical Advancement Center

## Class Descriptions

### IV Therapy & Blood Withdrawal - California State Board Certification

This program conforms to the State Board of Vocational Nursing criteria for IV Therapy and Blood Withdrawal. Upon successful completion, LVN's will receive lifetime state licensure. RN's may attend to update their skills and knowledge, however, state certification for RN's is **not** required. Also see our 1 day Phlebotomy & Blood Withdrawal Certification course.

Course Topics:

- Basic IV Theory
- Fluids & Electrolytes
- Lab Value Interpretation
- TPN and Fluid Administration
- Medications & Dose calculations
- Drip Rate calculations
- IV Devices, Tubing and Adaptors
- Blood Transfusions & Reactions
- "Care and Feeding", maintaining a patient's IV site
- Blood withdrawal techniques, straight needle and butterfly
- 3 live Venipunctures and Blood Withdrawals

4 Day Course

36 CE Credits Issued to LVNs & RNs

Individual Rate:	\$295.00 ea.
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### IV Skills Update for RNs & LVNs

For the State Certified LVN or RN who wants to refresh or renew their mechanical skills in establishing an IV, you may attend the last two days of our four day IV Therapy and Blood Withdrawal course.

Course Topics:

- IV Devices, Tubing and Adaptors
- Blood Transfusions & Reactions
- "Care and Feeding", maintaining a patient's IV site
- Blood withdrawal techniques, straight needle and butterfly
- 3 live Venipunctures and Blood Withdrawals

2 Day Course

18 CE Credits Issued to LVNs & RNs

Individual Rate:	\$175.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Venipuncture Certification for Radiology Technologist

This course introduces the Radiology Technologist (CRT) to the basic skills necessary to safely perform venipuncture for contrast x-rays. This course is also a great refresher for those that have already completed their certification.

This course provides 6 hours of didactic training approved by the American Society of Radiologic Technologist, Department Of Education and complies with California Health & Safety Code 106986, Section 27.

Course Topics:

- Anatomy and physiology of venipuncture sites
- Venipuncture instruments, solutions and related equipment
- Venipuncture techniques
- Techniques of intravenous line establishment
- Hazards and complications of venipuncture
- Post puncture care and infection control
- Signs and symptoms of adverse reaction to IV contrast
- Composition and purpose of Anaphylaxis Tray
- First aid related to complications of venipuncture
- Practice on manikins and 3 live venipunctures in classroom

ASRT and California Health & Safety Code 106985, Section 27, specify that 10 hours of training are required for certification. Successful completion of this course provides 6 of those hours. The other 4 hours are from the American Heart Association BLS, CPR & AED Certification training that is required for your CPR card.

ASRT requires 10 Live Proctored Insertions, which may be a combination of the live insertions completed in class and proctored insertions at your facility.

California Health & Safety Code 106985 specifies that 10 Proctored Insertion must be completed in class, the simulated insertions count towards this requirement. In addition 10 Live Proctored Insertions must be completed in your facility.

1 Day Course

6 CE Credits issued upon completion of course

Individual Rate:	\$250.00 ea.
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# Medical Advancement Center

## Class Descriptions

### PICC Line Insertion and Management

This course is designed to train RN's how to establish long term venous access using PICC Lines. Detailed instruction on upper torso PICC insertion is provided. Students will perform simulated insertions. This is a very popular course and is great for the RN that wants to advance their skill set.

Course Topics:

- Detailed anatomy of the Upper Torso
- PICC insertion instruction
- Site management, dressing changes
- Line Stabilization
- Flushing and anticoagulation
- Rationale for selection of various catheters
- Nursing liability and responsibilities
- Simulated insertion, modified Selinger technique
- Trouble shooting catheter malposition and advancement
- Ultrasound information and catheter visualization examples

1 Day Course  
Lunch is included  
9 CE Credits Issued

Individual Rate:	\$295.00 ea.
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Proctored PICC insertions are the responsibility of the student

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### Basic EKG's & Monitor Technician Course

Learn to read and monitor EKGs. This class is intended to prepare health care professionals to attain a position as a fully trained EKG Monitor Technician.

Course Topics:

- Basic Cardiac Anatomy and Physiology
- Lead systems and lead placement
- Sinus, Atrial, Nodal, Ventricular and Block arrhythmia interpretation
- Atrial, nodal and ventricular ectopics
- AHA treatment modalities.

4 Day Course  
20 CE Credits Issued

Individual Rate:	\$225.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Intermediate Arrhythmias & Introduction to 12 Lead EKG's

This course is designed for students who have a basic understanding of arrhythmia recognition and want to increase their skill level. Emphasis is placed on more advanced EKG recognition, clinical implications, and nursing interventions. A workbook with practice 12 Lead EKG's will be provided and reviewed by the instructor. Successful completion of the course requires a grade of at least 80% on the final examination. You should have a basic understanding of EKG's before taking this course.

#### Course Topics:

- Narrow/Wide Tachycardia
- MAT / AVIR
- BBB / Hemiblocks
- Aberration / Ectopy
- LVH/RVH Hypertrophy
- 12 Lead: Anterior, Lateral, Inferior, Septal and Posterior Infarction Patterns
- Axis Deviation
- Many strips are reviewed, to help you practice seeing the areas of infarction

2 Day Course  
12 CE Credits Issued

Individual Rate:	\$195 ea.
This is a special introductory price.	

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### 12 Lead EKG & Myocardial Infarction Interpretation

It is relatively easy to understand 12 lead EKGs and diagnose MI's, let us show you. The purpose of this class is to extend the ACLS protocol so that you can identify those patients with infarction patterns requiring immediate intervention. Myocardial infarction patterns are easily seen and this knowledge of EKGs will help you identify a patient's risk level. Great information for ACLS providers.

#### Course Topics:

- Lead Systems
- Hexaxial Diagrams
- Infarction Families
- Bundle Branch Blocks
- Hypertrophy
- Anterior, Lateral, Inferior, Septal and Posterior Infarction Patterns
- Many strips are reviewed, to help you practice seeing the areas of infarction

1 Day Course  
6 CE Credits Issued

Individual Rate:	\$150.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Introduction to Critical Care Nursing

This course is designed to prepare nurses to work in Telemetry and step down ICU Units. This course will help with the transition from basic medical surgical nursing to more advanced practice patient care. Emphasis is placed on cardiac physiology and pathophysiology and their interrelation with other disease sequelae. Basic anatomy, physiology and treatment rational are discussed for the cardiac, pulmonary, renal, endocrine and neurological systems. You should have a basic understanding of EKG's and be ACLS Certified before taking this course.

Course Modules:

- Cardiac MI, Myopathy, CHF interventions: PT CA, PCI and Fibrinolytics
- Care of the cardiac patients after electrical interventions: Ablation, Angiogram, and Pacemaker indications and treatment modalities
- Respiratory: ABGs O2 therapy, and pharmacology interventions for COPD, Asthma and PE
- Renal & Endocrine: DM, HHNS, CRI and CRF
- Neuro: CVA Ischemia vs. Bleed : DX and treatment modalities

4 Day Course  
30 CE Credits Issued

Individual Rate:	\$395.00 ea.
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### Alternative Therapies in a Traditional World

This course is designed to introduce nurses and other health care providers to alternative and complementary therapies in health care management. This course will help you gain an appreciation for the role of "natural medicines". The use of herbs and supplements will be discussed, along with their dosages, administration, side effects and adverse reactions.

Course Topics:

- "Natural" remedies, indications & uses
- Interactions with daily medications
- Contraindications for herbal medications
- Nursing implications of side effects of drug interactions
- Patient education regarding "harmless" OTC medications

1 Day Course  
8 CE Credits Issued

Individual Rate:	\$150.00 ea.
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# Medical Advancement Center

## Class Descriptions

### First Aid

This course includes instruction on recognizing the signs and symptoms of sudden illness or injury, and how to respond while maintaining your own safety. A comprehensive illustrated workbook is provided. Upon successful completion a 2-year certification card will be awarded.

#### Course Topics:

- Fracture splints
- Bleeding control
- Treatment of shock
- Foreign Bodies
- Head Injuries
- Bites and anaphylaxis

1/2 Day Course

Individual Rate:	\$45.00 ea.
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### Introduction to Autoimmune Diseases & Therapies, "Blooming Biologics"

Take a new look at Immunologic Diseases. There are 81 autoimmune diseases that have now been identified. The good news is, there are more than steroids and analgesics available as treatments. There are new drugs that turn the disease off and prevent further deterioration. The objectives of this course are to teach about new diagnoses and therapies, including DNA antigens and biologics, for the treatment of autoimmune diseases

#### Course Topics:

- Types of autoimmune diseases
- Diagnostic criteria for accurate diagnosis
- Disease modifying agents to slow disease or control remission
- Complications of inflammatory disease and management rationale
- Biologics: T Cell mediated; B Cell mediated; TNFa mediated, and Interleuken 6 Antagonist

1 Day Course  
8 CE Credits Issued

Individual Rate:	\$150.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Introduction to Home Health Nursing

This course is designed to help the hospital nurse transition into home health nursing. Particular attention is paid to job expectations and terminology used in home health care.

Course Topics:

- Documentation
- Medicare guidelines
- Home environment status
- Family and caregiver education
- Title 22 requirements
- HIPPA Compliance ICD-10 coding

1 Day Course  
6 CE Credits Issued

Individual Rate:	\$150.00 ea.
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### Pharmacology Update

This course introduces the underlying principles of pharmacology. It emphasizes the understanding of drug effects on organ systems and drug use as clinical therapeutics.

Course Topics:

- Receptor structure
- Rates of drug absorption, distribution, metabolism and mechanism of action
- Pharmacological effects on major systems
- New biological agents will also be addressed

1 Day Course  
8 CE Credits Issued

Individual Rate:	\$175.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Physiology of Aging

This course is for nurses and other health care providers who work with elderly patients in a variety of settings, such as acute care, long-term care and home care. Elder care has many challenges due to the physiological changes that occur with aging. We will address the physical, cognitive and emotional aspects of aging and focus on how to manage the patient more effectively.

#### Course Topics:

- Physical and cognitive assessment components used to measure function in the elderly patient
- Mental health issues common to elderly patients
- Components of social assessment and their relevance to the elderly patient
- ADL management, Dependent vs. Independent
- Identify other components to be assessed and discuss their importance for maintaining the health, safety and quality of life in the elderly

2 Day Course  
16 CE Credits Issued

Individual Rate:	\$195.00 ea.
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### Radiology & Ultrasound for Nurses

Look at a chest X-ray and Ultrasound images for better patient care and interpretation of patient symptoms. Learn to look for proper PICC Line placement and trouble shooting of complications. Gain a basic understanding of the correlation between CXR and medical interventions.

#### Course Topics:

- PICC Line Placement and complications
- Pneumonia
- CHF
- SVC Syndrome
- Pneumothorax
- Cardiomegaly

1 Day Course  
5 CE Credits Issued

Individual Rate:	\$150.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Renew Your Skills, to Re-Enter Nursing

This class is designed for nurses who want to review, update and refresh nursing skills which may have become dormant. Nurses who have been out of nursing for more than 2 years are finding it difficult to re-enter the profession. However there are now some facilities that will consider nurses that have completed a refresher course.

This course includes modules that cover:

- IV skills, with simulated and live cannulation and blood withdrawal
- Head to toe physical assessment.
- Respiratory and Cardiac management
- Diabetes, including live Accucheck
- Fluid management and lab value interpretation
- Wound management
- Resume design and networking skills

Bring your stethoscope.

3 Day Course  
24 CE Credits Issued

Individual Rate:	\$395.00 ea.
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### Ventilator Management & Respiratory Emergencies

This course is designed to facilitate the nurse to manage a patient with mechanical ventilation.

Course Topics:

- ABG interpretation and treatment
- Pathophysiology of respiratory diseases & failure
- Ventilator functions, settings and management
- Suctioning techniques
- Use of airway adjuncts insertion and management

1 Day Course  
6 CE Credits Issued

Individual Rate:	\$150.00 ea.
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# Medical Advancement Center

## Class Descriptions

### Wound Care Assessment & Management

As our patient population grows older, so does their skin. Not only are nurses faced with more complicated "skin management" but also with new and greater options for wound care. This course will provide a review of the various types of wounds with possible interventions for each wound type. This not a state certification class but is a thorough introduction to wound classification and management.

#### Course Topics:

- Wound care vocabulary, including: dehiscence, debridement, tunneling, induration, evisceration
- Phases of healing
- Wound drainage and assessment
- Types of dressings, indications and rationale
- Methods of wound debridement
- Colostomy types and care

1 Day Course  
8 CE Credits Issued

Individual Rate:	\$195.00 ea.
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