

# EMR 080: EMERGENCY MEDICAL RESPONDER

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Date Submitted: Thu, 10 Oct 2019 16:47:52 GMT

**Formerly known as:**

EMT 080 (or if cross-listed - inactivated courses associated with this course)

**Originator**

zbecker

**Co-Contributor(s)****Name(s)**

Wilson, Chantae

**Justification / Rationale**

Changing EMT designator to EMR designator to help students distinguish between this introductory course and the actual Emergency Medical training course. Adding information about fees for American Heart Association Basic Life Support certification (BLS).

**Effective Term**

Fall 2020

**Credit Status**

Credit - Degree Applicable

**Subject**

EMR - Emergency Medical Responder

**Course Number**

080

**Full Course Title**

Emergency Medical Responder

**Short Title**

EMR

**Discipline****Disciplines List**

Emergency Medical Technologies

**Modality**

Face-to-Face

Hybrid

**Catalog Description**

This course prepares the EMR student to provide emergency prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy, and physiology, medical emergencies, trauma, and special considerations for working in the prehospital setting. "Cardiopulmonary resuscitation" (CPR) means establishing and maintaining an open airway, ensuring adequate respiration, and ensuring adequate circulation either spontaneously or by means of closed-chest cardiac compression, according to standards promulgated by the current American Heart Association (AHA) Guidelines for Cardiopulmonary Resuscitation (CPR) and Emergency Cardiovascular Care (ECC). A \$12.50 fee is required for this course to cover the AHA Basic Life Support (BLS) certificate. Students are required to purchase a uniform and attend a mandatory orientation prior to the start of the course. Check the program website for additional information. Note: Authority cited: Section 1797.107, Health and Safety Code. Reference: Sections 1797.182 and 1797.183, Health and Safety Code; and Section 13518, Penal Code.

**Schedule Description**

The Emergency Medical Responder course prepares the EMR student to provide emergency prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. This course meets Title 22 regulations and National EMS Educational Standards. A \$12.50 fee is required for this course to cover the American Heart Association (AHA) Basic Life Support (BLS) certificate. Check the program website for additional information.

**Lecture Units**

2

**Lecture Semester Hours**

36

**Lab Units**

1

**Lab Semester Hours**

54

**In-class Hours**

90

**Out-of-class Hours**

72

**Total Course Units**

3

**Total Semester Hours**

162

**Required Text and Other Instructional Materials****Resource Type**

Book

**Author**

Schottke, David, American Academy of Orthopedic Surgeons (AAOS)

**Title**

Emergency Medical Responder (Navigate 2 Advantage Access)

**Edition**

6th

**Publisher**

Jones Bartlett Learning

**Year**

2018

**College Level**

Yes

**Flesch-Kincaid Level**

12

**ISBN #**

9781284134162

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**Class Size Maximum**

30

**Course Content**

## A. Introduction to EMS Systems

1. The EMS System
2. The Emergency Medical Responder
3. The Role of the Public Health System

4. Disaster Assistance
5. The Role of Research in EMS
6. Advances in Technology
- B. Legal and Ethical Principles of Emergency Care
  1. Legal Duties
  2. Consent
  3. Advance Directives
  4. Negligence
  5. Abandonment
  6. Confidentiality
  7. Reportable Events
  8. Special Situations
- C. Wellness and Safety of the Emergency Medical Responder
  1. Personal Well Being
  2. Scene Safety
  3. Rescue Operations
  4. Crime Scenes and Acts of Violence
  5. Emotional Aspects of Emergency Medical Care
  6. Death and Dying
- D. Introduction to Medical Terminology, Human Anatomy, and Lifespan Development
  1. Medical Terminology
  2. Positional and Directional Terms
  3. Overview of the Human Body
  4. Body Systems
  5. Lifespan Development
- E. Principles of Lifting, Moving, and Positioning of Patients
  1. Principles of Moving Patients
  2. Emergency Moves
  3. Standard Moves
  4. Equipment for Transporting Patients
  5. Patient Positioning
  6. Restraining Patients
- F. Principles of Effective Communication
  1. What is Communication
  2. Types of Communication
  3. The Communication Process
  4. Transfer of Care
  5. Radio Communications
- G. Principles of Effective Documentation
  1. Patient Care Reports
  2. Methods of Documentation
- H. Airway Management and Ventilation
  1. Breathing
  2. Respiratory System Anatomy
  3. Signs of Normal Breathing
  4. Signs of Abnormal Breathing
  5. Rescue Breathing
  6. Opening the Airway
  7. Barrier Devices
  8. Mouth-to-Mask Ventilation
  9. Mouth-to-Shield Ventilation

10. Special Patients
11. Air in the Stomach and Vomiting
12. Airway Obstruction
13. Aids to Airway Management
14. Bag-Mask Ventilation
15. Suction Systems
- I. Oxygen Therapy
  1. Importance of Oxygen
  2. Hazards of Oxygen
  3. Oxygen Therapy Equipment
  4. Administering Oxygen
- J. Resuscitation and the Use of the Automated External Defibrillator
  1. The Chain of Survival
  2. Circulation and CPR
  3. Adult and Child CPR
  4. Infant and Neonatal CPR
  5. Ensuring Effective CPR for All Patients
  6. Special CPR Situations
  7. Automated External Defibrillation
- K. Obtaining a Medical History and Vital Signs
  1. Obtaining a Medical History
  - 2.. Vital Signs
- L. Principles of Patient Assessment
  1. Patient Assessment
  2. Scene Size-up
  3. Primary Assessment
  4. Secondary Assessment
  5. Reassessment
- M. Caring for Cardiac Emergencies
  1. Normal Heart Function
  2. Cardiac Compromise
  3. Emergency Care for Cardiac Compromise
- N. Caring for Respiratory Emergencies
  1. Overview of Respiratory Anatomy ii.      Respiratory Compromise
- o. Caring for Common Medical Emergencies
  1. Medical Emergencies
  2. Evaluating Mental Status
  3. Overdose and Poisoning
  4. Behavioral Emergencies
  5. Use of Narcan for narcotic overdose
  6. Use of Epinephrine by auto-injector for anaphylaxis or severe asthma
  7. Environmental Emergencies
  8. Temperature and the Body
  9. Heat Emergencies
  10. Cold Emergencies
  11. Bites and Stings
  12. Water-Related Incidents
  13. Ice-related Incidents
- Q. Caring for Soft-Tissue Injuries
  1. Heart, Blood and Blood Vessels
  2. Bleeding

3. Soft-Tissue Injuries
4. Burns
- R. Recognition and Care of Shock
  1. Perfusion and Shock
  2. Mechanism of Injury and Shock
- S. Caring for Muscle and Bone Injuries
  1. Musculoskeletal System
  2. Appendicular Skeleton
  3. Splinting
  4. Management of Specific Extremity Injuries
- T. Caring for Head and Spine Injuries
  1. Anatomy of the Head and Spine
  2. Mechanisms of Injury
  3. Injuries to the Head and Face
  4. Injuries to the Spine
- U. Caring for Chest and Abdominal Emergencies
  1. Anatomy of the Chest
  2. Chest Injuries
  3. Abdominal Emergencies
  4. Abdominal Injuries
- V. Care During Pregnancy and Childbirth
  1. Understanding Childbirth
  2. Delivery
  3. Complications and Emergencies
- W. Caring for Infants and Children
  1. Caring for the Pediatric Patient
  2. Characteristics of Infants and Children
  3. Assessment of Infants and Children
  4. Managing Specific Medical Emergencies
  5. Managing Trauma Emergencies
- X. Special Considerations for the Geriatric Patient
  1. Understanding Geriatric Patients
  2. Characteristics of Geriatric Patients
  3. Age-Related Physical Changes
  4. Assessment of Geriatric Patients
  5. Common Medical Problems of Geriatric Patients
- Y. Introduction to EMS Operations and Hazardous Materials
  1. Safety
  2. The Call
  3. Motor-Vehicle Collisions
  4. Building Access
  5. Hazards
- Z. Introduction to Multiple-Casualty Incidents, The Incident Command System, and Triage
  1. Multiple-Casualty Incidents
  2. Incident Command System

**Lab Content**

- A. Demonstrate Principles of Lifting, Moving, and Positioning of Patients
  1. Principles of Moving Patients
  2. Emergency Moves
  3. Standard Moves

4. Equipment for Transporting Patients
5. Patient Positioning
6. Restraining Patients
- B. Demonstrate Principles of Effective Documentation
  1. Patient Care Reports
  2. Methods of Documentation
- C. Demonstrate Airway Management and Ventilation
  1. Breathing
  2. Respiratory System Anatomy
  3. Signs of Normal Breathing
  4. Signs of Abnormal Breathing
  5. Rescue Breathing
  6. Opening the Airway
  7. Barrier Devices
  8. Mouth-to-Mask Ventilation
  9. Mouth-to-Shield Ventilation
  10. Special Patients
  11. Air in the Stomach and Vomiting
  12. Airway Obstruction
  13. Aids to Airway Management
  14. Bag-Mask Ventilation
- D. Demonstrate Obtaining a Medical History and Vital Signs
  1. Obtaining a Medical History
  2. Vital Signs
- E. Demonstrate Principles of Patient Assessment
  1. Patient Assessment
  2. Scene Size-up
  3. Primary Assessment
  4. Secondary Assessment
  5. Reassessment

### Course Objectives

	Objectives
Objective 1	Describe the roles of EMS in the health care system.
Objective 2	Demonstrate the professional attributes expected of EMRs.
Objective 3	Perform the roles and responsibilities of an EMR with regard to personal safety and wellness, as well as the safety of others.
Objective 4	Perform the duties of an EMR with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.
Objective 5	Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
Objective 6	Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
Objective 7	Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
Objective 8	Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

**Student Learning Outcomes**

**Upon satisfactory completion of this course, students will be able to:**

Outcome 1	Identify the situational safety and nature of a patient's condition.
Outcome 2	Analyze and communicate a patient's condition and initiate intervention as the team leader and as a team member.
Outcome 3	Demonstrate fundamental knowledge and understanding of emergency medical terminology and systems.

**Methods of Instruction**

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	In-class- instructor -modeled practical skills followed by an instructor-lead analysis.
Lecture	Reading of emergency medical texts in -class by instructor and students, followed by instructor-guided interpretation.
Technology-based instruction	Instructor- guided on-line discussion forums on emergency medical situations and situational safety
Role Playing	Group projects in class where students role-play as team members and team leaders who communicate a patient's condition and initiate interventions.
Demonstration, Repetition/Practice	An in-class demonstration where students, as the team leader and team members, demonstrate communication, assessment skills, and medical interventions, followed by an instructor- lead analysis.
Discussion	Discussion groups lead- by- an instructor where students analyze and interpret case studies for situational awareness and patient condition.

**Methods of Evaluation**

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	Students will be able to explain, interpret and classify body human anatomy, body systems, disease processes through chapter reading and case studies.	Out of Class Only
Oral and practical examination	Students will be able to recall information orally and through the execution of skills, and will be evaluated on content, form, terminology and knowledge of the subject matter. Students will be evaluated on knowledge of required skills.	In Class Only
Student participation/contribution	Evaluation of participation and contributions during class discussions for content, form and methodology.	In Class Only
Tests/Quizzes/Examinations	Evaluation on content, terminology, knowledge of subject matter, and the ability to identify and interpret medical signs and symptoms. Examinations will include an in -class mid-term and a final exam, and chapter exams completed in and out of the classroom.	In and Out of Class
Presentations/student demonstration observations	Evaluation on the ability to interpret medical signs and symptoms, and identify life threatening issues.	In Class Only
Laboratory projects	Evaluation of correct treatment moralities for content, application and completeness.	In Class Only

**Assignments**
**Other In-class Assignments**

- a. Skills Lab
- b. Class presentation

**Other Out-of-class Assignments**

- a. Textbook and supplemental readings.
- b. Analytical problem solving.
- c. Complete chapter review questions.

**Grade Methods**

Letter Grade Only

**Distance Education Checklist**

Include the percentage of online and on-campus instruction you anticipate.

**Online %**

30

**On-campus %**

70

**Instructional Materials and Resources****Effective Student/Faculty Contact**

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

**Within Course Management System:**

Discussion forums with substantive instructor participation  
Regular virtual office hours  
Private messages  
Online quizzes and examinations  
Video or audio feedback

**External to Course Management System:**

Direct e-mail  
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)  
Telephone contact/voicemail

**For hybrid courses:**

Scheduled Face-to-Face group or individual meetings  
Orientation, study, and/or review sessions

**Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.**

Students will have Face-to-Face group meetings twice a week and discussion forms weekly.

**Other Information****MIS Course Data****CIP Code**

51.0904 - Emergency Medical Technology/Technician (EMT Paramedic).

**TOP Code**

125000 - Emergency Medical Services

**SAM Code**

C - Clearly Occupational

**Basic Skills Status**

Not Basic Skills

**Prior College Level**

Not applicable



**Cooperative Work Experience**

Not a Coop Course

**Course Classification Status**

Credit Course

**Approved Special Class**

Not special class

**Noncredit Category**

Not Applicable, Credit Course

**Funding Agency Category**

Not Applicable

**Program Status**

Program Applicable

**Transfer Status**

Not transferable

**Allow Audit**

No

**Repeatability**

No

**Materials Fee**

Yes

**Total Material Fees**

\$12.50

**Itemized Material Fee List**

Cost Per Item	Total Cost	Fee Description
	\$12.50	American Heart Association (AHA) Basic Life Support (BLS) certification

Per Education Code section 76365 and Title 5 regulations, please describe how the required material(s) meets the following.

**Required Material Description**

American Heart Association (AHA) Basic Life Support (BLS) certification

**Tangible personal property?**

Yes

**Owned or controlled by the student?**

Yes

**Solely available from the district?**

Students are required to take and successfully complete the American Heart Association (AHA) Basic Life Support (BLS) certification for course completion.

**Continuing value outside the classroom setting?**

Yes, BLS certificates are required for employment as an EMT.

**Additional Fees?**

No

## Approvals

**Curriculum Committee Approval Date**

11/05/2019

**Academic Senate Approval Date**

11/14/2019

**Board of Trustees Approval Date**

12/19/2019

**Chancellor's Office Approval Date**

1/06/2020

**Course Control Number**

CCC000611436

**Programs referencing this course**

Fire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=146/>)

Public Safety Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=256/>)

Fire Technology AS Degree (employment preparation) (<http://catalog.collegeofthedesert.eduundefined?key=63/>)

Emergency Medical Services Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=134/>)