

# EMT R169: EMERGENCY MEDICAL TECHNICIAN

**Originator**  
mmcelhenie

**College**

Oxnard College

**Discipline (CB01A)**

EMT - Emergency Medical Technology

**Course Number (CB01B)**

R169

**Course Title (CB02)**

Emergency Medical Technician

**Banner/Short Title**

Emergency Medical Technician

**Credit Type**

Credit

**Start Term**

Fall 2022

**Catalog Course Description**

This course covers the knowledge and skills necessary for the individual to provide emergency medical care with an ambulance, fire, or other specialized services at the Basic Life Support (BLS) level. This course is approved by the Ventura County Emergency Medical Services Agency and the California State Department of Emergency Services. Upon successful completion of the skills testing, final exam, and passing the course with a grade of B or better, the student will be eligible to take the EMT National Registry Examination, which is required for certification as an EMT.

**Taxonomy of Programs (TOP) Code (CB03)**

1250.00 - \*Emergency Medical Services

**Course Credit Status (CB04)**

D (Credit - Degree Applicable)

**Course Transfer Status (CB05) (select one only)**

B (Transferable to CSU only)

**Course Basic Skills Status (CB08)**

N - The Course is Not a Basic Skills Course

**SAM Priority Code (CB09)**

C - Clearly Occupational

**Course Cooperative Work Experience Education Status (CB10)**

N - Is Not Part of a Cooperative Work Experience Education Program

**Course Classification Status (CB11)**

Y - Credit Course

**Educational Assistance Class Instruction (Approved Special Class) (CB13)**

N - The Course is Not an Approved Special Class

**Course Prior to Transfer Level (CB21)**

Y - Not Applicable

**Course Noncredit Category (CB22)**

Y - Credit Course

**Funding Agency Category (CB23)**

Y - Not Applicable (Funding Not Used)

**Course Program Status (CB24)**

1 - Program Applicable

**General Education Status (CB25)**

Y - Not Applicable

**Support Course Status (CB26)**

N - Course is not a support course

**Field trips**

Will not be required

**Grading method**

(L) Letter Graded

**Alternate grading methods**

(E) Credit by exam, license, etc.

**Does this course require an instructional materials fee?**

No

**Repeatable for Credit**

No

**Is this course part of a family?**

No

**Units and Hours**

**Carnegie Unit Override**

No

**In-Class**

**Lecture**

**Minimum Contact/In-Class Lecture Hours**

131.25

**Maximum Contact/In-Class Lecture Hours**

131.25

**Activity**

**Laboratory**

**Minimum Contact/In-Class Laboratory Hours**

61.25

**Maximum Contact/In-Class Laboratory Hours**

61.25

**Total in-Class**

**Total in-Class**

**Total Minimum Contact/In-Class Hours**

192.5

**Total Maximum Contact/In-Class Hours**

192.5

**Outside-of-Class****Internship/Cooperative Work Experience**

Paid

Unpaid

**Total Outside-of-Class****Total Outside-of-Class****Minimum Outside-of-Class Hours**

262.5

**Maximum Outside-of-Class Hours**

262.5

**Total Student Learning****Total Student Learning****Total Minimum Student Learning Hours**

455

**Total Maximum Student Learning Hours**

455

**Minimum Units (CB07)**

8.5

**Maximum Units (CB06)**

8.5

**Advisories on Recommended Preparation**

EMT R109 or EMT R809, and ENGL R097

**Limitations on Enrollment**

Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross)

**Entrance Skills****Entrance Skills**

Students need to be able to describe the anatomy and functions of the body systems and be able to describe emergency care for patients experiencing medical and trauma emergencies

**Prerequisite Course Objectives**

EMT R109- Describe the anatomy and functions of the body systems.

EMT R109-State the emergency medical care for internal and external bleeding.

EMT R109- Describe the emergency medical care of the patient with a soft tissue injury.

EMT R109-Describe the emergency medical care of burns.

EMT R109- Describe the function of the musculoskeletal system.

EMT R109- Describe the emergency medical care for injuries to the extremities, head and spine.

EMT R809- Describe the anatomy and functions of the body systems.

EMT R809-State the emergency medical care for internal and external bleeding.

EMT R809- Describe the emergency medical care of the patient with a soft tissue injury.

EMT R809-Describe the emergency medical care of burns.

EMT R809- Describe the function of the musculoskeletal system.

EMT R809- Describe the emergency medical care for injuries to the extremities, head and spine.

**Entrance Skills**

Students need to demonstrate college-level grammar, syntax, and spelling when documenting EMS calls and completing patient care reports.

**Prerequisite Course Objectives**

ENGL R097-Write essays with acceptable college-level grammar, syntax, spelling, and idiomatic usage  
ENGL R097-Write a short paper incorporating documentation

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**Requisite Justification**

**Requisite Type**

Advisory

**Requisite**

ENGL R097

**Requisite Description**

Course not in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Advisory

**Requisite**

EMT R109

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Advisory

**Requisite**

EMT R809

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Student Learning Outcomes (CSLOs)**

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

- |   |   |
|---|---|
| 1 | Explain the roles and responsibilities of the EMT   |
| 2 | Provide proper patient care based on assessment of a medical or trauma patient.           |
| 3 | Identify basic human anatomy and physiology needed to perform a patient assessment.       |
| 4 | Recognize a patient in cardiac arrest and be able to perform CPR using an AED.            |
| 5 | Perform various methods of lifting and moving patients.                                   |
| 6 | Identify and manage OB/GYN emergencies.   |
| 7 | Analyze musculoskeletal injuries, control bleeding, splint fractures and treat for shock. |
| 8 | Triage and transport patients on major disasters and other hazardous emergencies.         |

- 9 Identify and manage overdose and anaphylaxis emergencies.  
 10 Perform finger stick blood glucose testing.

### Course Objectives

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

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- 1 Recognize the chain of human resources that forms the EMS system.  
 2 Identify how the public activates the EMS system.  
 3 Describe the roles and responsibilities of the EMT.  
 4 Define the process of EMS quality improvement.  
 5 Identify potential hazards and maintain scene safety.  
 6 Describe the kind of stress caused by involvement in EMS and the affect on you, your co-workers and your family.  
 7 Demonstrate the use of standard precautions and how to protect yourself from transmitted diseases.  
 8 Use body mechanics to lift and move patients.  
 9 Identify the various devices used to immobilize, move, and carry patients  
 10 Demonstrate when it is proper to move a patient in a safe manner.  
 11 Describe the scope of practice of the EMT.  
 12 Define the legal concepts of torts, negligence, and abandonment.  
 13 Describe the responsibilities of an EMT at a crime scene.  
 14 Define patient consent.  
 15 Know and define medical terminology relating the body, direction, and position.  
 16 Identify the structure and function of the major body systems.  
 17 Describe the cardiopulmonary systems and its functions, blood movement, perfusion, and shock.  
 18 Describe the respiratory system and its importance with oxygenation and ventilation.  
 19 Describe cellular metabolism and the results of alteration from injuries and illnesses.  
 20 Describe the physical, mental, and social characteristics of different age groups from infancy to late adulthood.  
 21 Recognize an adequate or inadequate airway.  
 22 Determine when to use airway adjuncts.  
 23 Describe the physiology and pathophysiology of the airway.  
 24 Perform proper suctioning techniques.  
 25 Perform proper positive pressure ventilation.  
 26 Describe the principles and proper techniques of oxygen administration.  
 27 Identify scene hazards.  
 28 Determine the need for additional resources.  
 29 Identify mechanisms of injury and how they relate to the patient condition.  
 30 Determine the proper approach to the primary assessment.  
 31 Manually stabilize the head and neck.  
 32 Assess mental status using AVPU.  
 33 Use various monitoring devices.  
 34 Obtain and document vital signs: pulse, respiration, blood pressure, skin, temperature, and pupils.  
 35 Define the components of the secondary assessment.  
 36 Perform detailed physical exam.  
 37 Observe trends for reassessment.  
 38 Determine the degree of secondary assessment based on mechanism of injury or illness, history, and degree of injury and consciousness.  
 39 Describe the legal aspects and benefits of documentation.  
 40 Identify the types of verbal and written communication used by emergency medical personnel.  
 41 Describe and demonstrate the use of radio communication.  
 42 Identify which medications the EMT may help administer to patients.  
 43 Describe the role of medical direction in medication administration.

- 44 Describe how the EMT may assist in IV therapy.
- 45 Treat a patient with breathing difficulty.
- 46 Assist a patient with the use of a prescribe inhaler/nebulizer.
- 47 Manage a cardiac arrest patient.
- 48 Use an AED.
- 49 Identify the conditions that may lead to a cardiac emergency.
- 50 Identify the aspects of acute cardiac syndrome.
- 51 Identify the causes, assessment, and care of diabetes and the emergency associated with diabetes.
- 52 Identify the general approaches used to assess patients with altered mental status.
- 53 Describe the causes and assessment of sepsis, seizure disorders, stroke, dizziness and syncope.
- 54 Describe how to treat a patient experiencing an allergic reaction.
- 55 Describe the differences between a mild reaction and anaphylaxis.
- 56 Identify who should be assisted with an epinephrine auto-injector.
- 57 Describe the treatment and care for ingested, inhaled, injected, and absorbed poisons.
- 58 Describe the assessment and care for alcohol and substance abuse.
- 59 Identify abdominal conditions that may cause pain or discomfort.
- 60 Assess a patient with abdominal pain and discomfort.
- 61 Describe the emergency care for behavioral and psychiatric emergencies which include attempted suicide, and hostile patients.
- 62 Describe the use of restraints on patient safely and effectively.
- 63 Identify the medical and legal considerations in behavioral and psychiatric emergencies.
- 64 Identify disorders of the hematologic system and its structure and function.
- 65 Identify disorders of the renal system and the causes and consequences of renal failure.
- 66 Describe special considerations for patients who have received a kidney transplant.
- 67 Recognize patients with complications of end-stage renal disease and dialysis.
- 68 Recognize arterial, venous, and capillary bleeding.
- 69 Demonstrate control of external bleeding.
- 70 Identify the signs, symptoms, and care of a patient with internal bleeding.
- 71 Identify the signs, symptoms, and care of a patient with shock.
- 72 Evaluate the severity of external bleeding.
- 73 Describe the differences between open and closed wounds and the emergency care for each.
- 74 Describe the emergency care for burns.
- 75 Dress and bandage wounds.
- 76 Describe emergency care for electrical injuries.
- 77 Describe mechanisms of injury commonly associated with chest and abdominal injuries.
- 78 Demonstrate the assessment and management of patients with blunt and penetrating abdominal injuries.
- 79 Describe specific chest injuries and the assessment and management of each.
- 80 Identify the bones, muscles, and other elements of the musculoskeletal system.
- 81 Describe the general guidelines for emergency care of musculoskeletal injuries.
- 82 Assess and care for specific injuries to the upper and lower extremities.
- 83 Describe the purposes and general/specific procedures for splinting.
- 84 Identify the anatomy of the nervous system, head and spine.
- 85 Describe skull and brain injuries and the emergency care required.
- 86 Describe wounds to the neck and emergency care associated with those wounds.
- 87 Demonstrate immobilization techniques and spinal motion restrictions on patients with potential spine injuries.
- 88 Describe spine injuries and the emergency care associated with these injuries.
- 89 Determine the severity of the trauma patient's condition, priority for transport, and appropriate transport destination.
- 90 Select critical interventions to implement at the scene for a multiple-trauma patient.
- 91 Calculate a trauma score.

- 92 Describe how to balance the need for transport against the time needed for treatment.
- 93 Describe the effects on the body of hypothermia and cold injuries.
- 94 Identify the signs, symptoms, and treatment for drowning and other water related injuries.
- 95 Assess and care for hypothermia and local cold injuries.
- 96 Describe signs, symptoms, and treatment for bites and stings.
- 97 Describe the effects on the body of exposure to heat and the assessment/care of heat exposure.
- 98 Describe and identify the anatomy and physiology of the female reproductive system.
- 99 Describe the specific care needed for: neonates, mother, and baby before, during and after childbirth.
- 100 Identify gynecological emergencies.
- 101 Identify the complications of delivery.
- 102 Identify the anatomic and physiological characteristics of children.
- 103 Assess a pediatric patient.
- 104 Describe how to assess and care for various pediatric medical emergencies.
- 105 Assess and care for various pediatric trauma emergencies.
- 106 Describe how to deal with issues of child abuse and neglect and children with special needs.
- 107 Describe the age related changes in the elderly.
- 108 Describe the assessment and care for older patients.
- 109 Discuss possible indications of elder abuse.
- 110 Demonstrate communication techniques with the elderly patient.
- 111 Describe illnesses and injuries in older patients.
- 112 Describe the variety of challenges that may be faced by patients with special needs.
- 113 Identify the types of disabilities and challenges patients may have.
- 114 Identify the types of advanced medical devices patients may rely on.
- 115 Describe congenital and acquired diseases and conditions of the patient with special challenges.
- 116 Determine when and how to use air rescue.
- 117 Describe the phases of an ambulance call.
- 118 Describe the prep and operation of an ambulance.
- 119 Demonstrate call termination and preparing the ambulance for the next call.
- 120 Demonstrate transferring and transporting the patient.
- 121 Identify and take appropriate action in a hazardous materials incident.
- 122 Identify a multiple-casualty incident.
- 123 Explain the incident command system.
- 124 Define triage.
- 125 Identify transportation and staging logistics.
- 126 Discuss the psychological aspects of multiple-casualty incidents.
- 127 Describe how to position emergency apparatus in a safe manner depending on the situation.
- 128 Recognize and manage hazards at a highway rescue scene.
- 129 Describe how to stabilize, gain access and disentangle a patient.
- 130 Describe the types of terrorism.
- 131 Identify types of threats posed by a terrorist event.
- 132 Practice tactical care during a mock terrorist event drill.
- 133 Describe the strategies, tactics and counter measures at a terrorist event.
- 134 Describe the self-protection and safety strategies at a terrorist event.

## Course Content

### Lecture/Course Content

1. Preparatory
  - a. Introduction to Emergency Medical Care
  - b. The Well-Being of the EMT-Basic
  - c. Lifting and Moving Patients
  - d. Medical/Legal and Ethical Issues
  - e. Medical Terminology
  - f. Anatomy & Physiology
  - g. Ventilation, Perfusion, and Shock
2. Airway Management, Respiration and Artificial Ventilation
  - a. Airway Management
  - b. Respiration and Artificial Ventilation
3. Patient Assessment
  - a. Scene Size-Up
  - b. Primary Assessment
  - c. Vital Signs and Monitoring Devices
  - d. Secondary Assessment
  - e. Communication and Documentation
4. Medical Emergencies
  - a. General Pharmacology
  - b. Respiratory Emergencies
  - c. Cardiac Emergencies
  - d. Diabetic and Altered Mental Status Emergencies
  - e. Allergic Reaction
  - f. Poisoning and Overdose Emergencies
  - g. Abdominal Emergencies
  - h. Behavioral and Psychiatric Emergencies
  - i. Hematologic and Renal Emergencies
5. Trauma
  - a. Bleeding and Shock
  - b. Soft Tissue Trauma
  - c. Chest and Abdominal Injuries
  - d. Musculoskeletal Trauma
  - e. Trauma to the Head, Neck and Spine
  - f. Multisystem Trauma
  - g. Environmental Emergencies
6. Special Populations
  - a. Obstetric and Gynecologic Emergencies
  - b. Pediatric Emergencies
  - c. Geriatric Emergencies
  - d. Emergencies for Patients with Special Challenge
7. Operations
  - a. EMS Operations
  - b. Hazardous Materials, Multi-Casualty, and Incident Management
  - c. Highway Safety and Vehicle Extrication
  - d. EMS Response to Terrorism and Tactical Casualty Care

### Laboratory or Activity Content

The Lab meets for instruction, demonstration, and to have students practice skills required of the Emergency Medical Technician. The students will take the theories learned in lectures, internet student resources, and textbook information and then applied them in the Lab in patient assessments and interventions. Students will use proper body mechanics when moving and lifting and learn their roles as team members and team leaders. The use of the Lab, medical equipment, and ambulance are used to develop and hone their skills.

1. Preparatory
  - a. Demonstrate Lab safety and location of equipment
  - b. Demonstrate and practice Body Substance Isolation and hand washing techniques
  - c. Demonstrate and practice proper lifting and moving techniques
  - d. Demonstrate and practice the use of wheeled stretchers and stair chairs



2. Airway Management, Respiration, and Artificial Ventilation
  - a. Demonstrate and practice airway adjuncts
  - b. Demonstrate and practice oxygen delivery devices
  - c. Demonstrate and practice oxygen therapy
  - d. Demonstrate the use of CPAP and Ventilation equipment
3. Patient Assessment
  - a. Demonstrate and practice a proper Scene Size-up
  - b. Demonstrate and practice a Primary Assessment
  - c. Demonstrate and practice vital signs and monitoring devices
  - d. Demonstrate and practice how to complete a Trauma Patient Assessment
  - e. Demonstrate and practice how to complete a Medical Patient Assessment
  - f. Demonstrate and practice how to communicate verbally, via radio, and by phone
  - g. Demonstrate and practice how to complete the proper documentation in filling out pre-hospital forms
4. Medical Emergencies
  - a. Demonstrate and practice patient assessment and treatment on respiratory emergencies
  - b. Demonstrate and practice patient assessment and treatment of cardiac emergencies
    - i. Demonstrate the indications and use of administering Nitroglycerin
    - ii. Demonstrate the indications and use of administering Aspirin
  - c. Demonstrate and practice patient assessment and treatment on Diabetic emergencies and altered status emergencies
    - i. Demonstrate and practice the use of a glucometer to obtain blood sugar level
    - ii. Demonstrate the indications and use of administering oral glucose
  - d. Demonstrate and practice patient assessment and treatment of allergic reaction emergencies
    - i. Demonstrate the indications and use of administering an Epi-Pen
  - e. Demonstrate and practice patient assessment and treatment of Poisoning and Overdose emergencies
    - i. Demonstrate the indications and use of Narcan for the treatment of heroin overdose
  - f. Demonstrate and practice patient assessment and treatment of abdominal emergencies
  - g. Demonstrate and practice the assessment and treatment of Psychiatric and behavioral emergencies
    - i. Demonstrate and practice the use and documentation in the use of restraints
  - h. Demonstrate and practice patient assessment and treatment of Hematologic/Renal emergencies
5. Trauma Emergencies
  - a. Demonstrate and practice patient assessment and treatment of patients with bleeding shock
    - i. Demonstrate and practice the use of direct pressure and a pressure dressing
    - ii. Demonstrate and practice the use of tourniquets
    - iii. Demonstrate and practice the use of hemostatic agents
  - b. Demonstrate and practice patient assessment and treatment of soft tissue injuries
  - c. Demonstrate and practice patient assessment and treatment of chest and abdominal injuries
  - d. Demonstrate and practice patient assessment and treatment of musculoskeletal injuries
  - e. Demonstrate and practice patient and assessment and treatment of multisystem trauma
  - f. Demonstrate and practice patient assessment and treatment of environmental emergencies
6. Special Populations
  - a. Demonstrate and practice patient assessment and treatment of OB/GYN emergencies
  - b. Demonstrate and practice patient assessment and treatment of pediatric emergencies
  - c. Demonstrate and practice patient assessment and treatment of geriatric emergencies
  - d. Demonstrate and practice patient assessment and treatment of patients with special challenges
7. Ambulance Operations
  - a. Demonstrate and practice EMS operations
  - b. Practice and complete a mock drill on hazardous materials, multiple-casualty incidents
  - c. Demonstrate and practice EMT's role in traffic accidents
  - d. Demonstrate and practice EMT's role and response to terrorist
  - e. Demonstrate and practice tactical care for terrorist events
8. ALS Techniques
  - a. Demonstrate and practice how to assist paramedics with advanced airway management
  - b. Demonstrate and practice setting up for I.V. therapy
  - c. Demonstrate and practice Cardiac 12-Lead placement

## Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Written expression

Problem solving exercises  
Skills demonstrations

**Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):**

Clinical demonstration  
Computational homework  
Group projects  
Individual projects  
Laboratory activities  
Laboratory reports  
Objective exams  
Oral analysis/critiques  
Oral presentations  
Problem-solving exams  
Quizzes  
Reports/papers  
Role playing  
Simulations  
Skills demonstrations  
Skills tests or practical examinations  
Essays  
Projects  
Problem-Solving Assignments

## **Instructional Methodology**

**Specify the methods of instruction that may be employed in this course**

Audio-visual presentations  
Case studies  
Class activities  
Class discussions  
Clinical demonstrations  
Collaborative group work  
Demonstrations  
Distance Education  
Field experience/internship  
Group discussions  
Instructor-guided interpretation and analysis  
Instructor-guided use of technology  
Internet research  
Laboratory activities  
Lecture  
Role-playing  
Small group activities

**Describe specific examples of the methods the instructor will use:**

1. The instructor will demonstrate how to perform a medical and trauma patient assessment with case presentations. Students will practice using role play followed by discussion and critique.
2. The instructor will demonstrate skills and have students practice them using emergency medical supplies and mannequins.
3. The instructor will lecture using PowerPoint and multimedia the roles and responsibilities of an Emergency Medical Technician, basic anatomy and physiology to perform a patient assessment.

## **Representative Course Assignments**

### **Writing Assignments**

1. Students will be required to complete the online chapter pre-tests, homework, post-test and study plans.
2. Students will be required to submit a typed report of a medical or fire personnel interview.
3. Students may be required to submit answers to chapter objectives.
4. Students will be required to document case scenarios using PCR's
5. Students will be required to complete various homework assignments including labeling diagrams and completing worksheets.
6. Students will be required to document their clinical experiences.

### Critical Thinking Assignments

1. The instructor will facilitate classroom discussion on case studies of EMS calls and identify how these incidents relate to the role of the Emergency Medical Responder within the sphere of emergency medicine.
2. Following a lecture on treating patients with respiratory issues, students will be given multiple respiratory scenarios and determine the proper intervention type. Grading will be pass/fail based on industry standards/
3. Working in groups using provided scenarios, solving problems related to lifesaving interventions pertaining to medical and trauma incidents, and presenting conclusions to the class.

### Reading Assignments

1. Students will be required to read textbook chapters to prepare for classroom discussion.
2. Students will be required to read supplemental materials (videos and handouts), including Ventura County Emergency and CA state Emergency Medical Services Policies and Protocols.

### Skills Demonstrations

The instructor will demonstrate all skills first, focusing on critical points, operations, and safety.

Students will practice all related skills under the direct supervision of an instructor.

1. Preparatory
  - a. Demonstrate Lab safety and location of equipment
  - b. Demonstrate and practice Body Substance Isolation and hand washing techniques
  - c. Demonstrate and practice proper lifting and moving techniques
  - d. Demonstrate and practice the use of wheeled stretchers and stair chairs
2. Airway Management, Respiration, and Artificial Ventilation
  - a. Demonstrate and practice airway adjuncts
  - b. Demonstrate and practice oxygen delivery devices
  - c. Demonstrate and practice oxygen therapy
  - d. Demonstrate the use of CPAP and Ventilation equipment
3. Patient Assessment
  - a. Demonstrate and practice a proper Scene Size-up
  - b. Demonstrate and practice a Primary Assessment
  - c. Demonstrate and practice vital signs and monitoring devices
  - d. Demonstrate and practice how to complete a Trauma Patient Assessment
  - e. Demonstrate and practice how to complete a Medical Patient Assessment
  - f. Demonstrate and practice how to communicate verbally, via radio, and by phone

### Other assignments (if applicable)

1. Students will be required to use psychomotor skills while using emergency medical equipment and demonstrating patient care.
2. According to Ventura County Emergency Medical Service Agency, California Emergency Medical Service Agency, and National Registry of Emergency Medical Technician, students will be required to complete an off-site clinical component.

## Outside Assignments

### Representative Outside Assignments

1. Reading
  - a. Students will be required to read textbook chapters to prepare for classroom discussion.
  - b. Students will be required to read supplemental materials (videos and handouts), including Ventura County Emergency and CA state Emergency Medical Services Policies and Protocols.
2. Writing
  - a. Students will be required to complete the online chapter pre-tests, homework, post-tests, and study plans.
  - b. Students will be required to submit a typed report of a medical or fire personnel interview.
  - c. Students will be required to submit answers to chapter objectives.
  - d. Students will be required to document case scenarios using PCRs.
  - e. Students will be required to complete various homework assignments, including labeling diagrams and completing worksheets.
  - f. Students will be required to document their clinical experience.
3. Other
  - a. Students will be required to use psycho-motor skills while using emergency medical equipment and demonstrating patient care.

- b. Students will be required to complete an off-site clinical component in accordance with the Ventura County Emergency Medical Service Agency, California Emergency Medical Service Agency, and National Registry of Emergency Medical Technician.

## **Articulation**

### **Comparable Courses within the VCCCD**

EMS V10L - Emergency Medical Technician Clinical Practicum  
EMT M01L - Emergency Medical Tech. Lab

## **District General Education**

### **A. Natural Sciences**

### **B. Social and Behavioral Sciences**

### **C. Humanities**

### **D. Language and Rationality**

### **E. Health and Physical Education/Kinesiology**

### **F. Ethnic Studies/Gender Studies**

## **CSU GE-Breadth**

### **Area A: English Language Communication and Critical Thinking**

### **Area B: Scientific Inquiry and Quantitative Reasoning**

### **Area C: Arts and Humanities**

### **Area D: Social Sciences**

### **Area E: Lifelong Learning and Self-Development**

### **Area F: Ethnic Studies**

## **CSU Graduation Requirement in U.S. History, Constitution and American Ideals:**

## **IGETC**

### **Area 1: English Communication**

### **Area 2A: Mathematical Concepts & Quantitative Reasoning**

### **Area 3: Arts and Humanities**

### **Area 4: Social and Behavioral Sciences**

### **Area 5: Physical and Biological Sciences**

### **Area 6: Languages Other than English (LOTE)**

## **Textbooks and Lab Manuals**

### **Resource Type**

Textbook

**Description**

Daniel Limmer, Michael F. O'Keefe, Edward T. Dickinson (2020). *Emergency Care* (14th ). Pearson. ISBN-13: 9780135379080

**Distance Education Addendum****Definitions****Distance Education Modalities**

Hybrid (1%–50% online)  
Hybrid (51%–99% online)  
100% online

**Faculty Certifications**

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities.

Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

**Regular Effective/Substantive Contact****Hybrid (1%–50% online) Modality:**

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Students will post a discussion board topic such as a multi-casualty incident and they will respond to another classmate or two with the intent for dialogue.
Synchronous Dialog (e.g., online chat)	Students will share their thoughts of the online lecture in an online chat with their classmates.

**Hybrid (51%–99% online) Modality:**

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Students will post a discussion board topic such as a multi-casualty incident and they will respond to another classmate or two with the intent for dialogue.
Synchronous Dialog (e.g., online chat)	Students will share their thoughts of the online lecture in an online chat with their classmates.
Other DE (e.g., recorded lectures)	Students will watch online lecture video on Canvas.

**100% online Modality:**

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Students will post a discussion board topic such as a multi-casualty incident and they will respond to another classmate or two with the intent for dialogue.
Other DE (e.g., recorded lectures)	Students will watch online lecture video on Canvas.
Other DE (e.g., recorded lectures)	Students will meet online with Instructor via Zoom.

## Examinations

### Hybrid (1%–50% online) Modality

On campus  
Online

### Hybrid (51%–99% online) Modality

On campus  
Online

### Primary Minimum Qualification

EMERGENCY MEDICAL TECHNOLOGIES

### Additional local certifications required

Primary instructors must be “qualified by education and experience in methods, materials, and evaluation of instruction, which shall be documented by at least forty hours in teaching methodology. The courses include but are not limited to the following examples: a. State Fire Marshal Instructor 1A and 1B; b. National Fire Academy’s Instructional Methodology; c. Training programs that meet the United States Department of transportation/National Highway Traffic Safety Administration 2009 guidelines for Educating EMS Instructors such as the National Association of EMS Educators Course.”

## Review and Approval Dates

### Department Chair

09/29/2021

### Dean

10/05/2021

### Technical Review

MM/DD/YYYY

### Curriculum Committee

10/13/2021

### DTRW-I

10/14/2021

### Curriculum Committee

10/27/2021

### Board

12/14/2021

### CCCCO

04/20/2022

### Control Number

CCC000631181

### DOE/accreditation approval date

MM/DD/YYYY