

# EMERGENCY MEDICAL SERVICES

## EMERGENCY MEDICAL SERVICES COURSES

### EMS 10 - Paramedic Theory 1

#### 6 units

General paramedic didactic education and training following the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes cognitive content associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. 108 hours lecture. Transfer: CSU; C-ID# EMS 100 X.

**Prerequisite:** EMS 20 with a minimum grade of B. EMS 62 with a minimum grade of C. BIO 50 with a minimum grade of C.

**Corequisite:** EMS 12.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### EMS 11 - Paramedic Theory 2

#### 6 units

This course provides paramedic didactic education and training following the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes cognitive content associated with: Medical emergencies, special patient populations, and EMS operations. 108 hours lecture. Transfer: CSU; C-ID# EMS 101 X.

**Prerequisite:** EMS 10 with a minimum grade of C. EMS 12 with a minimum grade of C.

**Corequisite:** EMS 13.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### EMS 12 - Paramedic Laboratory 1

#### 4 units

Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. 216 hours laboratory. Transfer: CSU; C-ID# EMS 102 X.

**Prerequisite:** EMS 20 with a minimum grade of B. EMS 62 with a minimum grade of C. BIO 50 with a minimum grade of C.

**Corequisite:** EMS 10.

- Credit - Degree Applicable
- Grading Option: Pass/No Pass

### EMS 13 - Paramedic Laboratory 2

#### 4 units

Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with: medical patient management, cardiac patient management, special populations, EMS operations, and simulated patient encounters. 216 hours laboratory. Transfer: CSU; C-ID# EMS 103 X.

**Prerequisite:** EMS 10 with a minimum grade of C. EMS 12 with a minimum grade of C.

**Corequisite:** EMS 11.

- Credit - Degree Applicable
- Grading Option: Pass/No Pass

### EMS 16 - Paramedic Clinical Occupational Work Experience

#### 3 - 4 units

Occupational work experience course that provides instruction to enhance student's knowledge of emergency care in a clinical setting. Students are provided access to adequate numbers of patients, proportionally distributed by illness, injury, gender, age, and common problems encountered in the delivery of emergency care appropriate to the level of the Emergency Medical Services Profession(s). Hospital/clinical experiences include the operating room, recovery room, intensive care unit, coronary care unit, labor and delivery room, pediatrics, and emergency department, and include exposure to an adequate number of pediatric, obstetric, psychiatric, and geriatric patients. May be taken any number of times for a maximum of 16 units of Cooperative Work Experience. Transfer: CSU.

**Prerequisite:** EMS 10 with a minimum grade of C. EMS 11 with a minimum grade of C. EMS 12 with a minimum grade of C. EMS 13 with a minimum grade of C.

- Credit - Degree Applicable
- Grading Option: Pass/No Pass

### EMS 17 - Paramedic Capstone Occupational Work Experience

#### 1-8 units

An occupational work experience course that provides practicum experience for paramedic students to observe and participate in emergency medical care supervised by a preceptor in an emergency response vehicle. Requires a minimum of 480 hours, and students must document at least 40 advanced life support (ALS) patient contacts. Student will provide the full continuum of care from initial contact to transfer of care at the receiving facility for half of all ALS contacts. Students must obtain minimum competency as a Team Leader. The field internship provides the student with an opportunity to serve as team leader in a variety of pre-hospital advanced life support emergency medical situations. May be taken any number of times for a maximum of 16 units of Cooperative Work Experience. Transfer: CSU.

**Prerequisite:** EMS 16 with a minimum grade of C.

- Credit - Degree Applicable
- Grading Option: Pass/No Pass

### EMS 20 - Emergency Medical Technician

#### 7 units

Provides training in the foundation skills and knowledge required of the EMT scope of practice. The EMT certification is the minimum requirement for ambulance attendants and most entry-level firefighter positions. EMT certification is also required for entry into paramedic training. This training program is accredited by the Alameda County Emergency Medical Services District. 90 hours lecture, 108 hours laboratory. Transfer: CSU.

**Prerequisite:** EMS 30 with a minimum grade of B.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### EMS 30 - Emergency Medical Responder

#### 3 units

Development of knowledge and skills necessary for recognizing and caring for victims in emergency situations, including patient assessment, cardiopulmonary resuscitation with the use of an automated external defibrillator, and prevention of disease transmission. Designed for emergency medical responders in the public safety field. Successful completion of the psycho-motor skills tests and successful completion of the course with a score of 80%, and achieving a score on the course summative final at (80%) qualifies the student for an Emergency Medical Responder (EMR) Certificate issued by the Emergency Care and Safety Institute (ECSI). 36 hours lecture, 54 hours laboratory. Transfer: CSU.

**Recommended Course Preparation:** EMS 70B with a minimum grade of C.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### **EMS 62 - Basic Medical Terminology**

#### **3 units**

A basic course in medical terminology designed for students in studying for Allied Health careers such as Surgical Technologist, Paramedic, Pre-nursing, and Radiology Technician. Medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis on word dissection, definitions as applied to the body systems including the terminology used in surgical procedures. Concepts focus on comprehensive terminology, pronunciation and spelling core. 54 hours lecture. Transfer: CSU.

- Credit - Degree Applicable
- Grading Option: Letter Grade

### **EMS 70 - CPR for Health Care Providers**

#### **0.5 units**

Development of knowledge, skills and personal judgment necessary to initiate and perform basic life support techniques as a health care professional. Successful completion of the knowledge and skills tests qualifies for an American Heart Association Basic Life Support Certificate. 9 hours lecture. Transfer: CSU.

- Credit - Degree Applicable
- Grading Option: Pass/No Pass

### **EMS 91 - Emergency Medical Technician - Refresher**

#### **1 unit**

Provides a refresher in the foundation and knowledge required of the EMT – 1 scope of practice. The EMT – 1 certification is the minimum requirement for ambulance attendants and most entry-level firefighter positions. EMT-1 certification is also required for entry into paramedic training. This refresher program is accredited by the Alameda County Emergency Medical Services Agency. The course provides a minimum of 24 hours of continuing education units or a course completion certificate. Additionally, the course provides skills verification testing that EMTs must complete every two years. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

**Prerequisite:** Proof of California State EMSA or National Registration Certification as an "Emergency Medical Technician." Certification must be current, or expired less than 6 months. Student may also present documentation from the National Registry of Emergency Medical Technicians showing failure of initial three attempts at NREMT Certification Examination which now requires completion of EMS 91 for additional attempts to register for certification examination.

- Credit - Degree Applicable
- Grading Option: Letter or Pass/No Pass