Cosumnes River College’s Emergency Medical Technology course (EMT 100) is designed to provide the student with the skills and knowledge to apply for certification as an Emergency Medical Technician (EMT) in the State of California. EMT certification is the first step to starting a career working on an ambulance. EMT certification is also a pre-employment requirement for most professional fire departments.

Program Maps

Emergency Medical Technician, Certificate of Proficiency (/crc/main/doc/programs/program-maps/ems-certificate-ho.pdf)

DEAN  Collin Pregliasco (/about-us/faculty-and-staff-directory/collin-pregliasco)

CAREER AND ACADEMIC COMMUNITY  Health and Human Services (/academics/career-and-academic-communities/health-and-human-services)

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Certificate of Achievement
Emergency Medical Technician Certificate

EMTs (previously called EMT-I or Basic) are the backbone of the Emergency Medical Services (EMS) system throughout the nation, helping to reduce injury severity and death at the scene of an accident or sudden illness and during transportation to a medical facility.

Students seeking to become a state certified EMT should take the EMT 100 course. The EMT 100 course fulfills the requirements for State EMT certification (NREMT) testing.

Cosumnes River College’s Emergency Medical Technology course (EMT 100) is designed to provide the student with the skills and knowledge to apply for certification as an Emergency Medical Technician and is approved by the Sacramento County Health Department, Division of Emergency Medical Services, and the certifying agency for Sacramento County. EMT 100 course completion is mandatory for all personnel who wish to pursue State certification as an EMT. EMT certification from Sacramento County Health Department, Division of Emergency Medical Services is the first step to starting a career working on an ambulance. EMT certification is also a pre-employment requirement for most professional fire departments. Together with varying levels of actual on-the-job experience, it is often required for admission to Paramedic training programs throughout the state and country.

EMT State certification has also become an important first step in the career path of students pursuing professions as physicians, registered nurses, physician assistants, and other allied health professions, by offering a distinct advantage in patient assessment and critical interventions skills, as well as the ability to obtain valuable work experience. Cosumnes River College’s EMT 100 students will gain actual experience by spending hours off-campus in operating ambulance units and in hospital emergency departments.

Highlights include:
* Hands-on experience administering proper emergency medical care
* Preparation for the EMT state certification test
* Re-certification for EMT state certification
* First step in pursuing a paramedic license
* Hospital emergency room observation time and opportunities to “ride along” in ambulances

**Catalog Date:** January 1, 2020

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT 100</td>
<td>Emergency Medical Technician</td>
<td>7.5</td>
</tr>
<tr>
<td>Total Units:</td>
<td></td>
<td>7.5</td>
</tr>
</tbody>
</table>

**Student Learning Outcomes**

Upon completion of this program, the student will be able to:

- SLO #1: Demonstrate and confirm knowledge of current information to work in the field of emergency medicine as an EMT.
The students will be able to analyze fluid complex medical problems with patients and then apply appropriate patient care based on a standardized decision making process.

Perform the skills and tasks of patient care and demonstrate proficiency on the basic equipment that EMTs use in the field.

Demonstrate critical thinking techniques and how to apply them to sick and injured patients in the pre-hospital arena.

SLO #2: Demonstrate and incorporate professional values and standards for medical personnel that the industry requires in pre-hospital emergency medicine.

Implement and maintain professional appearance and conduct in all aspects of program activities.

Perform patient assessment and care utilizing a team approach.

SLO#3: Achieve the basic educational requirements for most paramedic programs in the state. Most paramedic programs will require at least 1 year work experience as an EMT on an ambulance as an application requirement for Paramedic school.

Students will work in field clinical settings alongside experienced medical professionals and will apply skills and knowledge learned in the program.

Students will complete and pass the State’s EMT Certification Written Exam to achieve EMT certification.

Students will utilize recently learned skills and knowledge and comprehend the need for EMTs to stay current on the most up to date emergency medical information and training.

**Career Information**

EMT; Emergency Room Technician; Fire Service With additional training: Firefighter; Rescue Worker; Paramedic; Emergency Medical Dispatcher

**Emergency Medical Technology (EMT)**

**EMT 100 Emergency Medical Technician**
This course provides instruction to the level of Emergency Medical Technician (Previously called EMT Basic or EMT-I). This course has additional financial costs that are required for clinical components. Topics include: skills necessary to provide emergency medical care at a basic life-support level with a fire, ambulance, or other specialized service. Cosumnes River College’s Emergency Medical Technology 100 course is the primary step to provide the student with the skills and knowledge to apply for certification as an Emergency Medical Technician and is approved by the Sacramento County Health Department, Division of Emergency Medical Services, which is the certifying agency for Sacramento County by the State of California. This certification is mandatory for all personnel who wish to pursue a career working on an ambulance. EMT certification is also a pre-employment requirement for most paid fire departments. Together with varying levels of actual on-the-job experience, it is required for admission to paramedic training programs throughout the state and country. EMT students will gain actual clinical experience by spending time off-campus in operating ambulance units and in emergency departments of hospitals. Students will be required to complete background checks and drug screens, purchase uniforms and liability insurance, verify immunizations and have Tb clearance. Other requirements may be necessary for the clinical component of this course. The course requires students to work on an ambulance in the clinical component. Students may not have a beard or any facial hair below the lip to be compliant with OSHA regulations. This course is conducted in compliance with the California Code of Regulations. A final grade “B” or better is required for a course completion certification in this course. This is an intensive medical class that students should possess a strong background in anatomy and physiology as well as medical terminology. Students that do not possess both generally do not succeed in the course. It is STRONGLY recommended that students take a basic anatomy and physiology class as well as a medical terminology class prior to attempting this class. See Advisory. The EMT class has additional non-mandatory hours for quiz reviews and skills practice that students are strongly encouraged to attend.

To become Certified (Licensed) as an EMT in California all applicants must be legal citizens, possess a high school diploma (GED), be at least 18 years old, pass background check, and have valid social security number. For more information please go to State EMS office website - www.emsa.ca.gov

### Student Learning Outcomes

Upon completion of this course, the student will be able to:
• SLO #1: Demonstrate knowledge of current information they need to work in the field of emergency medicine as an EMT.

• Recognize the nature and seriousness of the patient's condition or extent of injuries to assess requirements for appropriate emergency medical care. Identify the symptoms/signs of a major medical and traumatic emergencies in a pre-hospital arena.

• Recognize the indications and demonstrate the techniques for administering medications that are within the EMT-Basic scope of practice.

• Utilize communicating, transporting, and record keeping skills with patient care.

• Demonstrate critical thinking techniques and how to apply them to sick and injured patients in the pre-hospital arena. Perform safely and effectively the standard job expectations of an Emergency Medical Technician.

• Comprehend pathophysiology of common diseases and how they manifest in patients.

• Understand and be able to use basic medical terminology in patient care.

• SLO #2: Perform the essential skills and demonstrate proficiency in EMS equipment implementation.

• Demonstrate competency utilizing all emergency medical technician's basic equipment.

• Use appropriate decision making processes in coordinating lifting, extricating, and positioning of the patient to minimize discomfort and prevent further injury.

• Perform safely and effectively in patient care skills of an Emergency Medical Technician.

• SLO 3#: Demonstrate professional values, ethics, and standards for emergency medical personnel.

• Work in team approach to patient assessment and care.

• Work in field clinical setting with experienced medical professionals and apply skills and knowledge learned in the course.

• Utilize recently learned skills and knowledge and comprehend the need for EMTs to stay current on the most up to date emergency medical information and training.

• Implement and maintain professional appearance and conduct in all aspects of course activities.

• SLO #4: Participate in Prehospital care and emergency department operations for a period of time sufficient to gain an appreciation for the continuum of care. The student must participate in and document patient contacts in a field experience on an ambulance or ER.

• Perform ten patient assessments.

• SLO #5: Complete and pass the State’s EMT Certification Written Exam required to achieve EMT certification.

EMT 102 Emergency Medical Care Refresher
This course provides continuing education and skills verification modules for current Emergency Medical Technicians (EMTs) certified at the Basic Life Support (BLS) level. It satisfies most of the refresher requirements of local, state and national Emergency Medical Services (EMS) certifying organizations. EMS related topics include airway management and ventilation, cardiac care and resuscitation, patient assessment, injury management, legal and ethical issues, vital signs monitoring and assisting with medication administration. This course is designed for currently California State certified EMT - Basic(I) and meets all state requirements for EMT (I) recertification by Sacramento Emergency Medical Services Agency. BLS (CPR) cards are not issued in the completion of this course. Students that have expired EMT certification should contact the instructor prior to signing up for EMT 102. This course does not provide preparation for the National Registry of Emergency Medical Technicians (NREMT) entry or recertification exam.

### Student Learning Outcomes

Upon completion of this course, the student will be able to:

- **SLO #1:** The student will be able to demonstrate knowledge of current information they need to work in the field of emergency medicine as an EMT.
  - Recognize the nature and seriousness of the patient's condition or extent of injuries to assess requirements for appropriate emergency medical care.
  - Identifying the symptoms/signs of a major medical and traumatic emergencies in a pre-hospital arena.
  - Utilize communicating, transporting, and record keeping skills with patient care.
  - Recognize the indications and demonstrate the techniques for administering medications and provide updated skills that are within the EMT-Basic scope of practice.
  - **SLO #2:** Utilize, incorporate and demonstrate proficiency in all equipment within the EMT scope of practice in regards to patient care.
  - Be able to perform efficient cardiopulmonary resuscitation and AED use utilizing current national standards.
  - Competency in demonstrating and utilizing all emergency medical technicians basic equipment.
  - Students will use appropriate decision making processes in coordinating lifting, extricating, and positioning of the patient to minimize discomfort and prevent further injury.
  - **SLO #3:** Demonstrate professional values, ethics, and standards for emergency medical personnel.
  - Establish and maintain effective communication with patients, family members, rescuers and other health care professionals, utilizing contemporary guidelines.
  - Students will work in team approach to patient assessment and care.

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**EMT 109 Emergency Medical Responder**

| Units: | 1.5 |
| Hours: | 18 hours LEC; 27 hours LAB |
| Prerequisite: | Current certification as an Emergency Medical Technician (I) or Basic. |
| Catalog Date: | January 1, 2020 |
This course is an introduction to the principles and practices of the Emergency Medical Services (EMS). It provides the knowledge and skills needed to integrate the care provided through the EMS system.

### Student Learning Outcomes

Upon completion of this course, the student will be able to:

- **SLO #1**: describe the roles of EMS in the health care system.
- **SLO #2**: demonstrate professional attributes expected of EMRs.
- **SLO #3**: utilize effective communication techniques with patients, bystanders, and other emergency responders in the EMS setting.
- **SLO #2**: demonstrate life support skills for patients with specific medical and trauma airway conditions.
- **SLO #2**: 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.
- **SLO #2**: apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
- **SLO #3**: identify the need for and perform immediately life-saving interventions to manage a patient’s airway, breathing, and circulation.
- **SLO #2**: assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
- **SLO #3**: apply principles of emergency medical services operations, considerations, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

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**EMT 298 Work Experience in Emergency Medical Technology**

<table>
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<tr>
<th>Units:</th>
<th>3</th>
</tr>
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<tbody>
<tr>
<td>Hours:</td>
<td>36 hours LEC; 54 hours LAB</td>
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<tr>
<td>Prerequisite:</td>
<td>None.</td>
</tr>
<tr>
<td>Catalog Date:</td>
<td>January 1, 2020</td>
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</table>

This course is an introduction to the principles and practices of the Emergency Medical Services (EMS). It provides the knowledge and skills needed to integrate the care provided through the EMS system.

Students must be in a paid or unpaid internship, volunteer position or job related to career goals in Emergency Medical Technology.

<table>
<thead>
<tr>
<th>General Education:</th>
<th>AA/AS Area III(b)</th>
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<tbody>
<tr>
<td>Catalog Date:</td>
<td>January 1, 2020</td>
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</table>
This course provides students with opportunities to develop marketable skills in preparation for employment in their major field of study or advancement within their career. It is designed for students interested in work experience and/or internships in associate degree level or certificate occupational programs. Course content includes understanding the application of education to the workforce; completion of required forms which document the student's progress and hours spent at the work site; and developing workplace skills and competencies. Appropriate level learning objectives are established by the student and the employer. During the semester, the student is required to participate in a weekly orientation and 75 hours of related paid work experience, or 60 hours of unpaid work experience for one unit. An additional 75 or 60 hours of related work experience is required for each additional unit. Work Experience may be taken for a total of 16 units when there are new or expanded learning objectives. Only one Work Experience course may be taken per semester.

<table>
<thead>
<tr>
<th>Student Learning Outcomes</th>
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</thead>
<tbody>
<tr>
<td>Upon completion of this course, the student will be able to:</td>
</tr>
<tr>
<td>- DEMONSTRATE AN UNDERSTANDING AND APPLICATION OF PROFESSIONAL WORKPLACE BEHAVIOR IN A FIELD OF STUDY RELATED ONE’S CAREER.(SLO 1)</td>
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<td>- Understand the effects time, stress, and organizational management have on performance.</td>
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<td>- Demonstrate an understanding of consistently practicing ethics and confidentiality in a workplace.</td>
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<td>- Examine the career/life planning process and relate its relevancy to the student.</td>
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<td>- Demonstrate an understanding of basic communication tools and their appropriate use.</td>
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<td>- Demonstrate an understanding of workplace etiquette.</td>
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<td>- DESCRIBE THE CAREER/LIFE PLANNING PROCESS AND RELATE ITS RELEVANCY TO ONE'S CAREER.(SLO 2)</td>
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<td>- Link personal goals to long term achievement.</td>
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<td>- Display an understanding of creating a professional first impression.</td>
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<td>- Understand how networking is a powerful job search tool.</td>
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<td>- Understand necessary elements of a résumé.</td>
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<tr>
<td>- Understand the importance of interview preparation.</td>
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<tr>
<td>- Identify how continual learning increases career success.</td>
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<tr>
<td>- DEMONSTRATE APPLICATION OF INDUSTRY KNOWLEDGE AND THEORETICAL CONCEPTS AS WRITTEN IN LEARNING OBJECTIVES IN PARTNERSHIP WITH THE EMPLOYER WORK SITE SUPERVISOR.(SLO 3)</td>
</tr>
</tbody>
</table>
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