

Certificate/Associate of Science Degree Programs

People's lives often depend on the quick reaction and competent care of Emergency Medical Technicians (EMTs) and Paramedics. Incidents as varied as automobile accidents, heart attacks, drowning, childbirth, and gunshot wounds all require immediate medical attention. EMTs and Paramedics provide this vital attention as they care for and transport the sick or injured to a medical facility.

JOB OUTLOOK:

Employment of EMT's and Paramedics is expected to grow faster than the average for all occupations through 2018. Population growth and urbanization will increase the demand for full-time paid EMTs and Paramedics.

Opportunities for EMTs and Paramedics are expected to increase in hospitals and ambulance services. Competition will be greater for jobs in local government, including fire, police, and independent third service rescue squad departments. Opportunities will be best for those who have advanced certifications and AA/AS degrees.

WORKING CONDITIONS:

EMTs and Paramedics work in a variety of settings including urban, suburban, and rural. The conditions can be hazardous and unpredictable. Work hours vary more widely than the hours of most other workers. A typical schedule may be 12, or 24 hours on duty. In addition, they often work extra hours at fires and other emergencies and are regularly assigned to work on holidays, all of which adds to job stress.

EARNINGS:

Earnings of EMTs and Paramedics depend on the employment setting and geographic location as well as the individual's training, education and experience. Those in emergency medical services who are part of fire or police departments receive the same benefits as firefighters or police officers. In California EMT's and Paramedics typically earn between \$25,000 and \$44,000 per year. 2011 Labor Market Source: State of California Employment Development Dept.

EMPLOYMENT:

Most career EMTs and Paramedics work in metropolitan areas. Full and part-time EMTs and Paramedics are employed in a number of industries. 8 out of 10 work for ambulatory service providers, 1 in 10 work for local governments and 1 in 10 work for medical hospitals.

PHYSICAL DEMANDS:

EMTs and Paramedics work both indoors and outdoors, in all types of weather. They are required to do considerable kneeling, bending, and heavy lifting. These workers risk noise-induced hearing loss from sirens and back injuries

from lifting patients. In addition, EMTs and Paramedics may be exposed to diseases such as Hepatitis-B and AIDS, as well as violence from drug overdose victims or mentally unstable patients. The work is not only physically strenuous, but also emotionally stressful, involving life-or-death situations and suffering patients. Because Emergency Services is dangerous and complex, it requires organization, teamwork and physical stamina. At every emergency scene, EMT's and Paramedics perform specific duties. Many people find the work exciting and challenging and enjoy the opportunity to help others.

EDUCATION AND TRAINING:

Formal training and certification is needed to become an EMT or Paramedic. California registration with the National Registry of Emergency Medical Technicians (NREMT) is required at all levels of certification. To maintain certification or license, EMTs and Paramedics must re-certify every 2 years and complete continuing education requirements.

Crafton Hills College offers three Emergency Medical Services certificate programs: **Emergency Medical Technician Basic, Emergency Medical Technician-Paramedic, and Mobile Intensive Care Nurse.** Successful completion of required course work prescribed for each program qualifies the student for a certificate in his/her respective program.

CAREER LADDER:

Emergency Medical Technician is the beginning point for a number of careers. These jobs may be with an ambulance service, hospital, or an outdoor education program. Career movement and advancement within this field varies depending on the specific field of work and hiring agency. Advancement to either an EMT Advance or Paramedic requires additional classroom and clinical training hours. Paramedics can become supervisors, operations managers, administrative directors, or executive directors of emergency services. Some EMTs and Paramedics become instructors or dispatchers, others move into sales or marketing of emergency medical equipment. Some take additional medical training to become nurses.

Advancement in government service requires success on promotional examinations. In both private and public sectors, experience and ability are the keys to advancement. Source: State of California Employment Development Dept.

ASSOCIATE OF SCIENCE DEGREE EMERGENCY MEDICAL SERVICES

Candidates must successfully complete a minimum of 33.00 units of prescribed course work. A minimum grade of "C" must be maintained in all course work related to Emergency Medical Services. NOTE: A "C" in these courses is considered to be 80% or higher.

REQUIRED COURSES: UNITS

Consult with a counselor to develop an appropriate course of study.

EMS 150 Patient Assessment for Paramedics	3.00
EMS 151 Introduction to EMS for Paramedics	2.00
EMS 152 Cardiology for the EMT-Paramedic	4.50
EMS 153 Pharmacology for the EMT-Paramedic	3.00
EMS 154 Emergency Medical Services Theory for the Paramedic	8.00
EMS 155 Skills Development for Paramedics	3.00
EMS 156 Clinical Externship for the Paramedic	2.00
EMS 157 Field Externship for the Paramedic	7.50
TOTAL UNITS	33.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

EMERGENCY MEDICAL TECHNICIAN CERTIFICATE

The objective of this certificate is to train students to perform basic life support in the pre-hospital setting. Successful completion of the certificate identifies the student has met the educational requirements as an Emergency Medical Technician. The certificate prepares students to take the National Registry examinations necessary for state certification.

Admission: Open to all students who are 18 years old at the time of registration and able to meet the physical requirements.

Completion of the following 8 units and passing the EMT National Registry written and skills examinations qualify the student for the Emergency Medical Technician Certificate. A minimum grade of "C" or better must be maintained in all course work NOTE: A "C" in these courses is considered to be 80% or higher.

REQUIRED COURSES: UNITS

EMS 020 Emergency Medical Technician-I/ EMT-Basic	6.00
EMS 021X20 Preventing Disease Transmission for Emergency Medical Technician-I/ EMT Basic	0.50
EMS 022 Basic Life Support for Emergency Medical Technician-I/EMT-Basic	0.50

EMS 023 Hazardous Materials First Responder Awareness for Emergency Medical Technician-I/EMT-Basic	0.50
EMS 025 Customer Service and Professionalism for the Emergency Services Worker	0.50
TOTAL UNITS	8.00

A student receiving a certificate in this field will be able to:

- Evaluate, treat and transport the ill and injured
- Effectively use adjunctive airway breathing aids
- Administer and monitor medications
- Demonstrate competency in assessing and treating patients with medical or trauma emergencies at a basic level
- Participate in a culturally diverse environment

PARAMEDIC CERTIFICATE

The objective of this certificate is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the pre-hospital setting and to provide the necessary coursework to be licensed in the state of California. Completion of the certificate will prepare students for entry-level employment as a Paramedic and other occupations requiring Paramedic-level license.

Contact the Emergency Medical Services Office for application materials. Candidates must successfully complete a minimum of 33.00 units of prescribed course work. A minimum grade of "C" must be maintained in all course work related to Emergency Medical Services. NOTE: A "C" in these courses is considered to be 80% or higher.

ENTRANCE REQUIREMENTS:

1. Current, CA EMT Certification
2. Must meet the age, physical and licensure requirements
3. Minimum of six months full-time experience or 1000 hours of part-time EMS experience
4. ANAT 101 or ANAT 150 and ANAT 151 or CSU transferable equivalent
5. High school diploma or GED
6. Current negative TB test within six months or chest x-ray within two years
7. Tetanus-diphtheria (T-D) booster within the last ten years
8. Completion of Hepatitis B immunization series or titer showing immunity
9. Completion of varicella (chickenpox) vaccination or titer showing immunity
10. MMR titer showing immunity or proof of MMR immunization
11. Physical examination within the last year; must be performed by a physician or nurse practitioner and must include a statement that you "are free to participate in the Paramedic Program without restriction."

ENTRANCE COMPETENCIES:

1. Reading level of 12th grade or higher
2. Math proficiency level of 10th grade or higher

3. Written EMT competency of 80 percent or higher
4. Written anatomy and physiology competency of 80 percent or higher
5. Oral judgment of simulated field situations of 80 percent or higher
6. Eligible to be licensed/accredited by state and local EMS agency

In order to be eligible for licensure as a paramedic in the state of California, students must complete the following 33.00 units, pass National Registry written and skills examinations, and meet all other licensure requirements established by the state.

REQUIRED COURSES:	UNITS
EMS 150 Patient Assessment for Paramedics	3.00
EMS 151 Introduction to EMS for Paramedics	2.00
EMS 152 Cardiology for the EMT-Paramedic	4.50
EMS 153 Pharmacology for the EMT-Paramedic	3.00
EMS 154 Emergency Medical Services Theory for the Paramedic	8.00
EMS 155 Skills Development for Paramedics	3.00
EMS 156 Clinical Externship for the Paramedic	2.00
EMS 157 Field Externship for the Paramedic	7.50
TOTAL UNITS	33.00

A student receiving a degree/certificate in this field will be able to:

- Draw inferences and conclusions that are logical and supported by evidence
- Recognize how environments influence opinion, reaction to stress and judgement
- Communicate effectively verbally and in writing
- Apply knowledge to analysis of specific problems
- Solve problems and makes decisions

MOBILE INTENSIVE CARE NURSE CERTIFICATE

The objective of this certificate is to prepare experienced emergency room nurses in San Bernardino and Riverside Counties to interact via two-way radio communication with paramedics to assist in directing the care of patients in the pre-hospital setting.

Admission: Open to students possessing a current California Registered Nurse License who have completed the following entrance requirements.

Contact the Emergency Medical Services Office for application materials. Completion of the following 2.25 units and satisfactory completion of County requirements qualify the student for the Mobile Intensive Care Nurse Certificate. Candidates must successfully complete a minimum of 2.25 units of prescribed course work. A

minimum grade of “C” or better must be maintained in all required courses. NOTE: A “C” in these courses is considered to be 80% or higher.

ENTRANCE REQUIREMENTS:

1. EMS 110, Advanced Cardiac Life Support – Provider (ACLS) or have a current ACLS card
2. One year experience as a registered nurse
3. Have 800 hours experience as a registered nurse in the Emergency Department
4. Proof of a cardiac dysrhythmia course
5. Current employment in a base station hospital in San Bernardino or Riverside County
6. Ability to complete a written screening examination with 80 percent accuracy

REQUIRED COURSE:	UNITS
EMS 103 Mobile Intensive Care Nurse	2.25
TOTAL UNITS	2.25

ADMISSION TO CRAFTON HILLS COLLEGE

Admission to Crafton Hills College is open to those who meet any one of the following requirements: 1. Eighteen years of age or older and can benefit from instruction offered by the college or 2. A high school graduate or 3. Have a G.E.D. (General Education Development) Certificate or 4. Have a California High School Proficiency Certificate or 5. Out-of-state residents and citizens of other countries here on student visas may also attend Crafton Hills College, subject to regulations that can be obtained from the Admissions & Records Office. These students will be required to pay non-resident tuition fees. Current high school students may be admitted under special circumstances. Please see the current version of the Crafton Hills College Catalog for eligibility requirements.

Every new student participates in the assessment process. The assessment is designed to measure current skills and is used to determine appropriate placement in English and Math. For additional information you may contact the Assessment Center at (909) 389-3361 or e-mail testcenter@craftonhills.edu. After completing the assessment, it is recommended that students meet with a counselor to discuss appropriate course work in accordance with the student’s goals.

Crafton Hills College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

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