

HEALTH SCIENCES (HSCI)

HSCI 0002. Emergency Medical Technician

Units: 6.5

Prerequisite: Students must be 18 years of age at start of course; provide two (2) negative TB tests two-step PPD process, or a negative chest x-ray; provide proof of immunizations for Mumps, Measles, Rubella (MMR); Varicella zoster-vaccination or positive titer; Hepatitis B status screening or signed declination; Diphtheria, Tetanus and Pertussis (Tdap); current influenza vaccine; provide drug screen test demonstrating the absence of evidence of controlled substance use; and provide criminal background screening satisfying the requirements of the State EMS Authority and EMT program clinical providers

Corequisite: Concurrent enrollment in HSCI 0012 to complete mandated Bloodborne Pathogen and Infection Control Training and American Heart Association (AHA) Basic Life Support/CPR certification for Healthcare Providers

Advisory: Completion of HSCI 3, HSCI 7 or BIOL 55 with grades of "C" or better; eligibility for ENGL 11

Hours: 166 (104 lecture, 38 skills laboratory, 24 field clinical laboratory)

Provides knowledge and critical thinking skills necessary to deliver Emergency Medical Care in a prehospital environment. Covers legal and moral aspects, scene safety, primary and secondary patient assessments, intervention and stabilization skills, proper use of emergency medical equipment, awareness of bloodborne pathogens and communicable diseases, recognizing signs and symptoms, and pathophysiology of medical emergencies and traumatic injuries. Includes practical hands-on skills training and interactive simulations. Clinical experience is an assigned field ride-along and/or clinical hospital observation. Attendance and participation are mandatory; a cumulative score of 80% on all written quizzes and exams, and passing score on all practical skills testing are required for successful course completion. Meets updated National Education Standards for EMT curriculum, and all requirements of the California Code of Regulations Title 22, the California EMS Authority and the National Registry of Emergency Medical Technicians (NREMT). Upon successful completion, student is eligible to take the NREMT EMT examination and qualify for a California State EMT certification. (CSU)

HSCI 0003. Medical Terminology

Units: 3

Hours: 54 lecture

Comprehensive overview of the medical language using a systems oriented approach of the human body. Covers the formation, spelling, correct pronunciation, and proper usage of common medical terms and abbreviations. The terminology is relative to the medical applications used within a wide variety of health care professions. Course meets the prerequisite requirements of numerous allied health care training programs, and is highly recommended as a preparatory course for EMT, Paramedic and Nursing programs. (CSU)

HSCI 0007. Emergency Medical Responder

Units: 3

Hours: 72 (54 lecture, 18 laboratory)

Provides theory and practical skills training required to be certified as an EMR-Emergency Medical Responder. Comprehensive training includes oxygen therapy and delivery, basic airway adjuncts, positive pressure ventilation, bleeding control, extremity splinting and spinal immobilization. Emphasizes systematic patient assessment, critical thinking and medical interventions at the first responder level. Meets the National and State requirements for certification as an Emergency Medical Responder. The American Heart Association Basic Life Support for the Health Care Provider CPR card, and an Emergency Medical Responder Certificate of Completion will be issued with a grade of "C" or better. Highly recommended as a preparatory course prior to enrolling in HSCI 2. (CSU)

HSCI 0012. Professional CPR and Infection Control for the EMT

Units: 0.5

Corequisite: Concurrent enrollment in HSCI 0002

Hours: 16 (10 lecture, 6 activity)

Meets the mandated professional CPR training requirements for students enrolled in the Emergency Medical Technician program. Provides the American Heart Association (AHA) Basic Life Support/CPR certification for Healthcare Providers. Also provides mandated training for recognizing risks of bloodborne pathogens, infection control, body substance isolation (BSI), and personal protection equipment in accordance with OSHA standard 29 CFR 1910.1030 specific to the EMT and healthcare professional. Training in proper body mechanics of patient movement and lifting techniques, proper operation of patient gurneys during emergency and non-emergency situations. (not transferable)

HSCI 0050. Paramedic Preparatory Training

Units: 3.5

Prerequisite: Completion of HSCI 2 with grade of "C" or better; must be currently certified as an EMT in the State of California OR eligible for a National Registry Certification

Hours: 80 (60 lecture, 20 laboratory)

Introduces the knowledge and critical thinking skills necessary to prepare for a paramedic program. Course is assessment based with focus on EMT and paramedic interventions; EKG recognition and interpretation; pharmacology; advanced airway management; IV and IO fluid and drug administration; basic anatomy, physiology and principles of pathophysiology; introduction to local, state and national ALS protocols. Practical skills lab sessions focus on improving patient assessment techniques, realistic case study scenarios, and introduction to paramedic ALS skills and interventions. Course format is interactive and simulates the intense pace and discipline required of an approved paramedic program curriculum. Student participation, passing of written exams and practical skills assessments, required for successful completion. Meets the mandated EMT transition requirements of the National Registry of Emergency Medical Technicians (NREMT) and the gap curriculum identified by the National Association of state EMS officials (NASEMSO). (CSU)

HSCI 0600. Emergency Medical Technician Continuing Education

Unit: 1

Prerequisite: Must be eligible for certification or re-certification as an EMT in the State of California

Hours: 24 (16 lecture, 8 laboratory)

Provides 24 hours of continuing education required for state re-certification as an Emergency Medical Technician (EMT). Reviews current standards for airway management and ventilation, patient assessment, cardiac care and resuscitation, injury management and stabilization, legal and ethical issues, vital signs, assisting with medication administration, and review of the updated and optional EMT scope of practice. Students update their psychomotor skills and demonstrate proficiency in organized skills labs. Students that successfully complete the course receive a certificate of completion. May be repeated for credit to meet legally mandated continuing education and re-certification requirements. (pass/no pass grading) (pass/no pass grading) (not degree applicable)