

EMERGENCY MEDICAL TECHNOLOGY AND PARAMEDIC

HIGHER EDUCATION CENTER AT OTAY MESA

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DEPARTMENT CHAIR Gary Creason, M.S.

GENERAL DESCRIPTION

Emergency medical technology and paramedic is the study of emergency medical care and the evaluation and treatment of injuries. These programs focus on both technical and practical knowledge while providing requisite skills to evaluate and treat a wide variety of medical and trauma emergencies in the prehospital setting. Students learn to administer medication, start intravenous lines, interpret EKG rhythm strips, and defibrillate patients in cardiac arrest, as well as to administer many other advanced life support procedures.

CAREER OPTIONS

Below is a sample of the career options available for the emergency medical or paramedic major. Most require an associate degree, some require a bachelor's degree, and a few of these require a graduate-level degree: emergency medical technician, paramedic, vocational teacher, college instructor, search and rescue responder, hospital technician, and emergency room technician.

DEGREE/CERTIFICATE OPTIONS MAJOR CODE

Associate in Science Degree: Career/Technical

Emergency Medical Technology and Paramedic 02340

Certificate of Achievement

Emergency Medical Technology and Paramedic 02341

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

ASSOCIATE IN SCIENCE DEGREE

! EMERGENCY MEDICAL TECHNOLOGY AND PARAMEDIC

CAREER/TECHNICAL (MAJOR CODE: 02340)

Prepares students to give prehospital emergency care with classroom work and training in hospitals and in first-response vehicles in the field. Upon program completion, the students are eligible to take the exam for national certification. Students desiring to earn the associate in science degree should consult a counselor.

Program Student Learning Outcome Statement

- Communicate complete and accurate patient assessment findings to EMS and health care team members.
- Perform a thorough exam with appropriate inquiry and inspection pertinent to the patient's chief complaint. Findings are accurate.
- Build rapport with patient, family and bystanders and shows consideration and respect for others.

DEPARTMENT ACCEPTANCE REQUIRED FOR THIS PROGRAM.

PREREQUISITES:

BIOL 190	Human Anatomy and Physiology	4
EMT 113	Emergency Medical Technician—Basic (Theory)	5
EMT 113L	Emergency Medical Technician—Basic (Laboratory)	3
Total units		12

FIRST SEMESTER

EMTP 200	Advanced Life Support Paramedic Theory I	12
EMTP 200L	Advanced Life Support Paramedic Laboratory I	3
EMTP 202	EMS Community Experience I	1.5

SECOND SEMESTER

EMTP 201	Advanced Life Support Paramedic Theory II	12
EMTP 201L	Advanced Life Support Paramedic Laboratory II	3
EMTP 203	EMS Community Experience II	1.5

SUMMER SESSION

EMTP 225	Hospital Clinical Experience for Paramedics	3
EMTP 230	Field Training for Paramedics I	8
EMTP 231	Field Training for Paramedics II	1
Total units		57

Required courses for an associate in science degree

COMM 104	Public Speaking	
	OR	3
COMM 174	Interpersonal Communication	
ENGL 115	College Composition: Reading and Writing Analytically	
	OR	4
ENGL 116	Critical Thinking and Composition	
PSYC 101	General Psychology	3
Total units		10

Recommended Elective: SOC 135.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 59.

EMTP Credit

Licensed paramedics may be granted college units toward an associate in arts degree if they are currently licensed by the State of California. The student may receive a maximum of 6.5 units for previous EMT-1 training. The student may receive a maximum of 35 units for previous EMTP training.

Note: Grade of "C" is required for each course for progression and completion.

CERTIFICATE

! EMERGENCY MEDICAL TECHNOLOGY AND PARAMEDIC

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02341)

Department acceptance required for this program.

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GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment

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Total units		57

ENGINEERING

SCHOOL OF MATHEMATICS, SCIENCE, AND ENGINEERING

DEAN Janet Mazzearella, M.A., Office 215A, 619-482-6344

FACULTY Lauren Zinola, M.A.

DEPARTMENT CHAIR Tinh-Alfredo V. Khuong, Ph.D.

GENERAL DESCRIPTION

Engineering focuses on the application of scientific principles and knowledge of mathematics to create solutions for problems involving human, biological, and mechanical systems. Engineering is a broad discipline of related areas of study including civil, mechanical, electrical, computer, and industrial.

CAREER OPTIONS

Below is a sample of the career options available for the engineering major. A few of these require an associate degree, most require a bachelor's degree, and some require a graduate-level degree: technician, engineer's assistant, civil engineer, urban planner, biomedical engineer, electronics engineer, computer engineer, software designer, telecommunications specialist, computer architect,

~~EMT 299.
INDEPENDENT STUDY
1–3 UNITS
Limitation on Enrollment: Eligibility for
independent study. See page 45.
Offered: Variable~~

Individual study or research in some area of electronics of particular interest to the student and not included in regular courses of the College. [D; CSU]

EMERGENCY MEDICAL TECHNOLOGY COURSES

EMT 10.
EMT REFRESHER
1 UNIT
Pass/No Pass only
Limitation on Enrollment: Holds a current EMT certificate or has held certificate within last 48 months
Lecture 1 hour, laboratory .5 hour
Offered: Variable
Meets or exceeds county and state requirements for biennial EMT-I refresher training. [ND]

EMT 101.
HEALTHCARE PROVIDER CPR
1 UNIT
Pass/No Pass only
Recommended Preparation: RDG 56 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture 1 hour
Offered: Fall, Spring, Summer
Fee: \$30. American Heart Association course designed to train and certify emergency medical personnel and healthcare providers in basic life support cardiopulmonary resuscitation (CPR). Provides certification and eight hours of continuing education for EMT, paramedic, and nursing personnel. [D; CSU]

EMT 109.
EMERGENCY MEDICAL RESPONDER
2 UNITS
Grade only
Corequisite: EMT 101
Recommended Preparation: RDG 56 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture 2 hours, laboratory .5 hour
Offered: Fall, Spring, Summer
Provides the first in the track for students interested in a career in emergency medical services. Covers national curriculum for Emergency Medical Responder (EMR) training. Includes basic and advanced first aid, care of patients with medical and traumatic emergencies, and emergency childbirth. [D; CSU]

EMT 113.
EMERGENCY MEDICAL TECHNICIAN—
BASIC
5 UNITS
Grade only
Prerequisite: EMT 101 and EMT 109 or equivalent; or EMT 125 or equivalent
Recommended Preparation: RDG 158 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent
Lecture 5 hours, laboratory 1 hour
Offered: Fall, Spring, Summer
Introduces techniques of emergency care, as outlined by the Emergency Medical Services Education Standards (NAEMSES). Provides theory portion of program designed to prepare graduates to work in prehospital care (ambulance, firefighter) and emergency departments at EMT basic level. (Formerly EMT 112.) [D; CSU]

EMT 113L.
EMERGENCY MEDICAL TECHNICIAN
LABORATORY—BASIC
3 UNITS
Grade only
Prerequisite: EMT 113 or equivalent
Limitation on Enrollment: Student must possess a current Healthcare Provider level CPR card
Lecture 2 hours, Laboratory 4.5 hours
Offered: Fall, Spring, Summer
Fee: \$40. Provides lecture and laboratory activities to attain competency at the EMT-Basic level. Includes competency-based skills training, community experience to observe and assess patients in a hospital emergency department (ED) and a ride-along with a Basic Life Support (BLS) ambulance crew. (Formerly EMT 112L.) [D]

EMT 125.
WILDERNESS FIRST RESPONDER
4 UNITS
Grade only
Lecture 4 hours, laboratory 1.5 hours
Offered: Variable
Provides curriculum consistent with U.S. Department of Transportation first responder guidelines. Emphasizes medical care of the sick and injured while operating in extreme environments, using improvised equipment and managing delayed or prolonged evacuations. Optional certification is available through Wilderness Medical Associates (WMA). [D; CSU]

EMT 126.
AMBULANCE STRIKE TEAM LEADER
CERTIFICATION
1 UNIT
Pass/No Pass only
Limitation on enrollment: Recommendation of current employer and either (1) Ambulance Strike Team Provider online course (Allan Hancock College) or (2) Incident Command Systems (ICS) 100 and ICS 200, and a State-approved strike team program (eight-hour course)
Lecture 1 hour
Offered: Fall, Spring
Developed in cooperation with the State of California's Office of Emergency Services (OES), the Emergency Medical Services Authority (EMSA), for certification of leaders in the ambulance industry for the role of Ambulance Strike Team (AST) or Medical Task Force (MTF) Leader. [ND]

EMT 295.
SELECTED TOPICS IN EMERGENCY
MEDICAL TECHNOLOGY
1–3 UNITS
Offered: Variable
Permits students to study relevant subjects within the field of emergency medical technology. The specific objectives, methods of instruction and units of credit to be determined individually for projects proposed under this course description. [D; *CSU]
* Please refer to the class schedule for specific course description and transferability information.

EMT 299.
INDEPENDENT STUDY
1–3 UNITS
Limitation on Enrollment: Eligibility for independent study. See page 45.
Offered: Variable
Individual study or research in some area of emergency medical technology of particular interest to the student and not included in regular courses of the College. [D; CSU]

EMERGENCY MEDICAL TECHNOLOGY AND PARAMEDIC COURSES

EMTP 115. PARAMEDIC PREPARATION 1.5 UNITS

Pass/No Pass only

Recommended Preparation: EMT 113 and EMT 113L or equivalent; and RDG 56 or the equivalent skill level as determined by the Southwestern College Reading Assessment or equivalent

Lecture 1 hour, laboratory 2 hours

Offered: Variable

Prepares the basic emergency medical technician (EMT) to begin paramedic training. Emphasizes review of EMT knowledge, human anatomy and physiology, math calculation, and electrocardiograph (ECG) interpretation. Provides the basic EMT with intensive scenario-based training. Designed to improve student success in paramedic school. [D; CSU]

EMTP 200. ADVANCED LIFE SUPPORT PARAMEDIC THEORY I 12 UNITS

Grade only

Corequisite: EMTP 200L

Limitation on Enrollment: Acceptance into the paramedic program

Lecture 12 hours

Offered: Fall

Fee: \$20. Offers first half of paramedic didactic training. Follows National Emergency Medical Services Education Standards (NEMSES) published by U.S. Department of Transportation. Includes preparatory, airway, assessment, pharmacology, and trauma modules. [D; CSU]

EMTP 200L. ADVANCED LIFE SUPPORT PARAMEDIC LABORATORY I 3 UNITS

Pass/No Pass only

Corequisite: EMTP 200 and 202

Limitation on Enrollment: Acceptance into the paramedic program

Laboratory 9 hours

Offered: Fall

Fee: \$40. Provides skills portion of the National Emergency Services Education Standards (NEMSES) published in 2009. Includes psychomotor skills for medication administration, intravenous access, advanced airway management, patient assessment, history taking, and physical examination. [D; CSU]

EMTP 201. ADVANCED LIFE SUPPORT PARAMEDIC THEORY II 12 UNITS

Grade only

Prerequisite: EMTP 200 and 200L, or equivalent

Corequisite: EMTP 201L

Lecture 12 hours

Offered: Spring

Provides second half of paramedic didactic training. Follows National Emergency Medical Services Education Standards (NEMSES) published by U.S. Department of Transportation. Includes medical, special patients and EMS operations. [D; CSU]

EMTP 201L. ADVANCED LIFE SUPPORT PARAMEDIC LABORATORY II 3 UNITS

Pass/No Pass only

Prerequisite: EMTP 200 and 200L, or equivalent

Corequisite: EMTP 201 and 203

Laboratory 9 hours

Offered: Spring

Continues skills portion of the National Emergency Services Education Standards (NEMSES) published in 2009. Includes psychomotor skills electrocardiograph (ECG) interpretations, electrical therapy, lab-simulated patient emergency calls, multi-patient drills, and emergency childbirth. [D; CSU]

EMTP 202. EMS COMMUNITY EXPERIENCE I 1.5 UNITS

Pass/No Pass only

Corequisite: EMTP 200L

Limitation on Enrollment: Acceptance into the paramedic program

Laboratory 5.5 hours

Offered: Fall

Fee: \$40. Provides Emergency Medical Services (EMS) observational experience in the hospital, clinic, and ambulance. Includes ambulance ride-alongs at area ambulance agencies and fire departments. Clinical sites expose students to the EMS patient in a secure, controlled environment. [D; CSU]

EMTP 203. EMS COMMUNITY EXPERIENCE II 1.5 UNITS

Pass/No Pass only

Prerequisite: EMTP 202 or equivalent

Corequisite: EMTP 201L

Laboratory 5.5 hours

Offered: Spring

Provides hands-on experience in the hospital, clinic, and ambulance. Includes ambulance ride-alongs at area ambulance agencies and fire departments. Clinical sites expose students to the EMS patient in a secure and controlled environment. [D; CSU]

EMTP 225. HOSPITAL CLINICAL EXPERIENCE FOR PARAMEDICS 3 UNITS

Pass/No Pass only

Prerequisite: EMTP 201 and 201L, or equivalent

Limitation on Enrollment: Student must complete criminal background check and drug screen prior to clinical experience

Laboratory 9 hours

Offered: Variable

Provides instruction to enhance student's knowledge of emergency care in a clinical setting; opportunity to assist and observe in emergency rooms, as well as other areas of the facility under direct supervision of hospital staff. Takes place in varied shift assignments. [D; CSU]