Emergency Medical Technology and Paramedic

Higher Education Center at Otay Mesa

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Faculty Ronald Ungar, M.A.
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.

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	8
EMTP 200L	Advanced Life Support Paramedic Laboratory I	3
EMTP 202	EMS Community Experience I	1

Second Semester

EMTP 201	Advanced Life Support Paramedic Theory II	8
EMTP 201L	Advanced Life Support Paramedic Laboratory II	3
EMTP 203	EMS Community Experience II	1

Summer Session

EMTP 225	Hospital Clinical Experience for Paramedics	2
EMTP 230	Field Training for Paramedics I	8
EMTP 231	Field Training for Paramedics II	1
	Total units	**35**

Required courses for an associate in science degree

COMM 104	Public Speaking	
	OR	3
COMM 174	Interpersonal Communication	
ENGL 115	Reading and Composition: Exposition and Argumentation	
	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 49.*

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.

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	8
EMTP 200L	Advanced Life Support Paramedic Laboratory I	3
EMTP 202	EMS Community Experience I	1

Second Semester

EMTP 201	Advanced Life Support Paramedic Theory II	8
EMTP 201L	Advanced Life Support Paramedic Laboratory II	3
EMTP 203	EMS Community Experience II	1

Summer Session

EMTP 225	Hospital Clinical Experience for Paramedics	2
EMTP 230	Field Training for Paramedics I	8
EMTP 231	Field Training for Paramedics II	1
	Total units	**35**

Engineering

School of Mathematics, Science, and Engineering

Dean Janet Mazzarela, 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, test engineer, environmental engineer, soil engineer, aerospace engineer, CADD specialist, product engineer, estimator, technical sales representative, construction manager, and general contractor.

Degree/Certificate Options	Major Code
Associate in Science Degree: Transfer Preparation	
Engineering	01565

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

Some courses within this program may require additional coursework that must be completed prior to enrollment in those courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.