

ECON 120 Environmental Economics (3)

3 hours lecture

Transfer acceptability: CSU; UC

A study of major environmental issues from an economics perspective. Models will be developed and used to explore case studies on issues and policies. A strong emphasis will be placed on resource management problems. Course will provide a rationale for government involvement in the market-based economy.

ECON 125 Introduction to Labor Studies (3)

3 hours lecture

Transfer acceptability: CSU; UC

An introduction to Labor Studies. The focus is on how fundamental work is to human relations and the creation of communities. Moreover, the course examines how work, workers and organizations and institutions shape and define the employment relationship. Surveys how class, race, ethnicity, and gender impact work; the role of corporations; the role of unions; the global economy, and the future of work.

ECON 197 Economics Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Economics. See Class Schedule for specific topic offered. Course title will designate subject covered.

ECON 295 Directed Study in Economics (1, 2, 3)

1, 2, or 3 hours lecture

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Independent study for students who have demonstrated a proficiency in economics subjects and have the initiative to work independently on projects or research that does not fit into the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Emergency Medical Education (EME)

Contact the Emergency Medical Education Department for further information.
(760) 744-1150, ext. 8150
Office: ESC-808

Associate in Science Degrees -

AS Degree requirements are listed in Section 6 (green pages).

- Paramedic Training

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Paramedic Training

Certificates of Proficiency -

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- EMT Basic

College Credit for Certified Paramedics

This policy is for granting college credit for certified paramedics toward an Associate in Arts degree in Emergency Medical Technician Paramedic. In order for an already certified Paramedic to be granted college units for his/her certification, the following requirements must be met:

1. The EMT P must be currently certified in California as an EMT P.
2. The EMT P must be currently registered at Palomar College.

EMT P Credit

1. The student may receive a maximum of 40.5 units for EMT P training, which is equal to the number of units given at Palomar College for the EMT P courses.

2. The student may receive a maximum of 7 units for former EMT B training, which is equal to the number of units given at Palomar College for the EMT B courses.
3. The student may not receive duplicate credit for any other EMT B or EMT P courses.

Degree Requirements

The Associate in Science degree in Emergency Medical Technician Paramedic requires 60 units. The following criteria must be met:

1. 30 units must be issued by an accredited college on a letter grade basis, of which 12 units must be completed at Palomar College.
2. All other general education and competency requirements for the Associate in Science degree as provided in the college catalog must be met.
3. When the student has completed the general education and competency requirements for the Associate in Science degree and the 12 units required to be completed at Palomar College, the student will be awarded unit credit for education/training received in becoming an EMT P.

Paramedics interested in taking advantage of this policy should contact the Emergency Medical Education Department at (760) 744-1150, ext. 8150. Paramedics will be required to provide a copy of his or her paramedic license and course completion certificate for verification of paramedic licensure. Paramedics must also send prior college transcripts to the College and make an appointment with the Counseling Department at (760) 744-1150, ext. 2179 for evaluation of general education requirements.

PROGRAMS OF STUDY**EMT Basic**

This program prepares the student with the knowledge and skills necessary to take the National Registry EMT examination and enter the workforce in the State of California.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
EME 100/HE 104	Emergency Medical Responder	3
EME 106	Emergency Medical Technician (Lecture)	6
EME 106L	Emergency Medical Technician Skills (Laboratory)	1.5
TOTAL UNITS		10.5

Paramedic Training

The Paramedic Program prepares the student in all elements of prehospital advanced life support. Upon successful completion of the program, the student is eligible to take the State of California EMT-P certification exam, which is the National Registry Emergency Medical Technician-Paramedic Exam.

Admission to the program is by special application.

To be eligible for consideration, the applicant must:

1. Have 6 months full-time pre-hospital experience or equivalent as an EMT Basic.
2. Be eligible for admission to Palomar College.
3. Meet academic requirements outlined in the Paramedic Program brochure produced by the EME Program.

AND

4. Have completed ZOO 145 with a grade of 'C' or better and EME 175 and EME 175L with a "B" or better.

Prerequisite Courses		Units
EME 106	Emergency Medical Technician (Lecture)	6
EME 106L	Emergency Medical Technician Skills (Laboratory)	1.5
EME 175	Paramedic Preparation (Lecture)	2
EME 175L	Paramedic Preparation Skills (Laboratory)	1
ZOO 145	Introduction to Anatomy and Physiology	3

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Students must achieve a minimum score of 80% in each of the required courses in order to continue in the program.

Program Requirements		Units
Students must achieve a minimum score of 80% in each of the required courses in order to continue in the program.		
EME 206	Introduction to Paramedic Training (Lecture)	5.5
EME 206L	Introduction to Paramedic Training (Laboratory)	1.5
EME 207	Paramedic Medical Training (Lecture)	10
EME 207L	Paramedic Medical Skills (Laboratory)	2
EME 208	Paramedic Trauma Training (Lecture)	4.5
EME 208L	Trauma Skills (Laboratory)	1
EME 209	Paramedic Obstetrical and Pediatric Training (Lecture)	2.5
EME 209L	Paramedic Obstetrical and Pediatric Skills (Laboratory)	1
EME 210	Hospital Clinical Experience	4
EME 211	Clinical Integration I	1.5
EME 212	Clinical Integration II	1.5
EME 215	Field Internship	9
TOTAL UNITS		44

Note: EME 220, 223, and/or 224 are to be taken by students who have not satisfactorily met program requirements. The EME Department will determine which course or courses should be taken and the number of hours required to make up the deficiencies.

The Palomar College Paramedic Training Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). (#600117)

Commission on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
727-210-2350
www.caahep.org

COURSE OFFERINGS

Courses numbered under 100 are not intended for transfer credit.
EME courses may not be taken as an audit.

EME 55 CPR for Health Care Providers (.5)

½ hour lecture

Note: Pass/No Pass grading only

Cardio-pulmonary resuscitation (CPR) course for one person CPR, two person CPR, child CPR, infant CPR, AED, obstructed airway, BVM, and mouth-to-mask ventilation based on current American Heart Association standards.

EME 100 Emergency Medical Responder (3)

3 hours lecture

Note: Cross listed as HE 104

Transfer acceptability: CSU; UC

C-ID KINE 101

Covers national curriculum for Emergency Medical Responder (EMR) training. Includes the study and application of emergency medical skills and procedures, including basic anatomy and physiology, terminology, and prevention of disease transmission. CPR certification from the American Heart Association.

EME 106 Emergency Medical Technician (Lecture) (6)

6 hours lecture

Prerequisite: Current American Heart Association CPR for Health Care Providers and Emergency Medical Response cards or equivalent, and must be age 18 by the first day of class

Corequisite: EME 106L

Note: May not be taken for Pass/No Pass grading

Transfer acceptability: CSU

The study of EMT theory and knowledge required for identification and treatment of pre-hospital emergencies. The course prepares the student for National Registry, California, and San Diego County EMT certification.

EME 106L Emergency Medical Technician Skills (Laboratory) (1.5)

4½ hours laboratory

Prerequisite: Current American Heart Association CPR for Health Care Providers CPR and Emergency Medical Response cards or equivalent, and must be age 18 on the first day of EME 106

Corequisite: EME 106

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Application of skills required for treatment of pre-hospital emergencies. This course prepares the student for National Registry, California and San Diego County EMT certification. Student is required to complete 24 hours supervised ambulance and emergency department observation.

EME 116 Emergency Medical Technician Refresher Course (1.5)

1½ hour lecture

Prerequisite: Possess a valid current EMT-B, EMT-II or EMT-P certificate, or have possessed one within the last two years

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Review of basic EMT material and update of new material and techniques. Meets State of California requirements for EMT-B recertification continuing education units. An Optional NREMT-B Recertification Exam available the day after the class ends.

EME 125 EMT Interface (5)

2 hours lecture - 9 hours laboratory

Prerequisite: A minimum grade of 'C' in EME 106 or EMT Basic, or concurrent enrollment in EME 106

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Necessary skills to take the EMT Basic from the classroom to the work environment. Covers county EMS legalities, and provides more in-depth knowledge and skills for EMS personnel to improve success and advancement in the EMS workforce.

EME 175 Paramedic Preparation (2)

2 hours lecture

Prerequisite: Current EMT with a minimum of 3 months full time pre-hospital experience

Corequisite: EME 175L

Transfer acceptability: CSU

An overview of paramedic-level assessment skills combined with appropriate paramedic-level anatomy, physiology, and treatment relevant to the disease processes studied.

EME 175L Paramedic Preparation Skills (Laboratory) (1)

3 hours laboratory

Prerequisite: Current EMT with a minimum of 3 months full time pre-hospital experience

Corequisite: EME 175

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Performance of EMT skills combined with appropriate paramedic-level anatomy, physiology and treatment relevant to the disease processes studied.

EME 196 Special Problems in Field Internship (3, 3.5, 4, 4.5, 5)

9, 10½, 12, 13½, or 15 hours laboratory

Corequisite: EME 210 or EME 215

Transfer acceptability: CSU

Application of skills and knowledge necessary for student to successfully complete either the Clinical or Field Internship of Paramedic Training. This is for a student who needs to be extended up to 10 shifts to allow fulfillment of EME 210 or 215 course obligations and requires an individual student specific contract.

**EME 197A Emergency Medical Education Workshop:
Emergency Medical Technician-Paramedic (.5-6)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU

Workshops to provide upgrading of knowledge and skills relative to paramedics. Will provide paramedic continuing education hours for classroom time. See Class Schedule for specific topic covered. Course title will designate subject covered.

**EME 197B Emergency Medical Education Workshop:
Emergency Medical Technician-Basic (.5-6)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU

Workshops to provide upgrading of knowledge and skills relative to EMT's. Will provide EMT continuing education hours for classroom time as indicated by topic. See Class Schedule for specific topic covered. Course title will designate subject covered.

**EME 197E Emergency Medical Education Workshop:
General (.5-6)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU

Innovative and creative aspects updating Emergency Medical Education professions. See Class Schedule for specific topic covered. Course title will designate subject covered.

EME 200 Advanced Cardiac Life Support (1)

1 hour lecture

Prerequisite: Current CPR for Health Care Providers Certificate or "BLS" CPR card and must be an M.D., R.N. or EMT-P

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Advanced Cardiac Life Support knowledge and skills necessary to provide the appropriate early treatment for cardiopulmonary arrest. Based on current American Heart Association guidelines.

EME 201 Pediatric Advanced Life Support (1)

1 hour lecture

Prerequisite: Current CPR for Health Care Providers Certificate or "BLS" CPR card and must be an M.D., R.N., or EMT-P

Transfer acceptability: CSU

Pediatric Advanced Life Support knowledge and skills necessary to provide the appropriate early treatment for pediatric emergencies. Based on current American Heart Association guidelines.

EME 202 Prehospital Trauma Life Support (1)

1 hour lecture

Prerequisite: Current CPR for Health Care Providers Certificate or "BLS" CPR card and must be an M.D., R.N. or EMT-P

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Knowledge and skills taught to provide prehospital trauma life support appropriate for the care of the trauma patient. National Association of Emergency Medical Technicians based course.

EME 203 Paramedic Challenge (Lecture) (2)

2 hours lecture

Prerequisite: RN, MD, PA or former Paramedic who meets State of California challenge requirements

Corequisite: EME 203L

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Didactic challenge course for individuals who qualify for Paramedic Challenge per State of California Code of Regulations, Title 22. Allows the individual to attend the didactic portion of Paramedic training as needed to meet paramedic course content per individual student contract.

EME 203L Paramedic Challenge Skills (Laboratory) (.5)

1½ hours laboratory

Prerequisite: RN, MD, PA or former Paramedic who meets State of California challenge requirements

Corequisite: EME 203

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Application of skills necessary for challenge course for individuals who qualify for Paramedic Challenge per State of California Code of Regulations, Title 22. Allows the individual to attend the skills portion of Paramedic Training as needed to meet paramedic course content per individual student contract.

EME 206 Introduction to Paramedic Training (Lecture) (5.5)

5½ hours lecture

Prerequisite: Admission into Paramedic program

Corequisite: EME 206L

Transfer acceptability: CSU

Introduction to paramedic training which meets the requirements of the National Educational Standards for Paramedic Training.

**EME 206L Introduction to Paramedic Training
(Laboratory) (1.5)**

4½ hours laboratory

Prerequisite: Admission into Paramedic program

Corequisite: EME 206

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Application of skills necessary for the Introduction to Paramedic Training which meets the requirements of the National Educational Standards for Paramedic Training.

EME 207 Paramedic Medical Training (Lecture) (10)

10 hours lecture

Prerequisite: Admission into Paramedic program

Corequisite: EME 207L and EME 211

Transfer acceptability: CSU

The study of medical and cardiac diseases for paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Advanced Cardiac Life Support training and certification.

EME 207L Paramedic Medical Skills (Laboratory) (2)

6 hours laboratory

Prerequisite: Admission into Paramedic program

Corequisite: EME 207

Note: Pass/No Pass grading only

Transfer acceptability: CSU

Application of skills necessary for the medical portion of paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Advanced Cardiac Life Support training and certification.

EME 208 Paramedic Trauma Training (Lecture) (4.5)

4½ hours lecture

Prerequisite: Admission into Paramedic program

Corequisite: EME 208L and EME 212

Transfer acceptability: CSU

The study of traumatic emergencies for paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Pre-hospital Trauma Life Support training and certification.

- EME 208L Trauma Skills (Laboratory)** (1)
3 hours laboratory
Prerequisite: Admission into Paramedic program
Corequisite: EME 208
Note: Pass/No Pass grading only
Transfer acceptability: CSU
Application of skills necessary for trauma portion of paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Pre-hospital Trauma Life Support training and certification.
- EME 209 Paramedic Obstetrical and Pediatric Training (Lecture)** (2.5)
2½ hours lecture
Prerequisite: Admission into Paramedic program
Corequisite: EME 209L and EME 212
Transfer acceptability: CSU
The study of Obstetrical and Pediatric emergencies for paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Pediatric Education for Pre-hospital Professionals training and certification.
- EME 209L Paramedic Obstetrical and Pediatric Skills (Laboratory)** (1)
3 hours laboratory
Prerequisite: Admission into Paramedic program
Corequisite: EME 209 and EME 212
Note: Pass/No Pass grading only
Transfer acceptability: CSU
Application of skills necessary for the Obstetrical and Pediatric portion for paramedic training which meets the requirements of the National Educational Standards for Paramedic Training. Includes Pediatric Education for Pre-hospital Professionals training and certification.
- EME 210 Hospital Clinical Experience** (4)
12 hours laboratory
Prerequisite: Admission into Paramedic Program
Transfer acceptability: CSU
Supervised clinical experience in acute care areas of hospitals where knowledge of advanced life support techniques is necessary.
- EME 211 Clinical Integration I** (1.5)
4½ hours laboratory
Corequisite: EME 207 and EME 207L or EME 208 and EME 208L
Note: Pass/No Pass grading only
Transfer acceptability: CSU
Application of assessment and BLS skills necessary to be successful in paramedic training.
- EME 212 Clinical Integration II** (1.5)
4½ hours laboratory
Corequisite: EME 209 and EME 209L or EME 210
Note: Pass/No Pass grading only
Transfer acceptability: CSU
Application of assessment and BLS skills necessary to be successful in paramedic training.
- EME 215 Field Internship** (9)
27 hours laboratory
Prerequisite: A minimum grade of 'B' in EME 210; or concurrent enrollment in EME 210
Transfer acceptability: CSU
Assignment to a response vehicle with a field preceptor. Includes direct patient care responsibilities in providing advanced life support.
- EME 216 Tactical Combat Casualty Care** (0.5)
½ hour lecture
Transfer acceptability: CSU
Evidence-based, life-saving techniques and strategies for providing trauma care under austere and chaotic environments. Guidelines are established by the National Association of Emergency Medical Technicians.

- EME 216L Tactical Combat Casualty Care Lab (0.5)**
1½ hours laboratory
Transfer acceptability: CSU
Hands-on application for providing life saving trauma care. Skills include tourniquet application, combat gauze, treatment of chest injuries and rapid evacuation.
- EME 217 Paramedic Recertification** (2)
2 hours lecture
Transfer acceptability: CSU
Prepares paramedics with the skills needed to maintain or update their certification for National Registry.
- EME 220 Paramedic Refresher** (2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8)
2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8 hours lecture
Prerequisite: Provide proof of receiving a failing grade in one or more of the following courses: EME 207, 207L, 208, 208L, 210, 215 within the previous 24 months.
Transfer acceptability: CSU
Provides students who were unsuccessful in one or more of the following courses, EME 207, 207L, 208, 208L, 210 or 215, an opportunity to refresh, strengthen, and maintain their clinical abilities and knowledge base.
- EME 223 OB/Peds Block Refresher** (1, 2)
1, 2 hours lecture
Prerequisite: Provide proof of receiving a failing grade in one or more of the following courses: EME 210, 215 within the previous 24 months
Corequisite: EME 224
Transfer acceptability: CSU
Provides students who were unsuccessful in one or more of the following courses, EME 210 or 215, an opportunity to refresh, strengthen, and maintain their academic knowledge base in obstetrical and pediatric medicine.
- EME 224 Clinical Refresher** (1.5)
½ hour lecture - 3 hours laboratory
Prerequisite: Failure in EME 215
Corequisite: EME 223
Transfer acceptability: CSU
Provides students who were unsuccessful in EME 215 an opportunity to refresh, strengthen, and maintain their clinical abilities and knowledge base.
- EME 295 Directed Study in Emergency Medical Education** (1, 2, 3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson/ director
Transfer acceptability: CSU
Independent study for students who have demonstrated skills and/or proficiencies in Emergency Medical Education subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Engineering (ENGR)

Contact the Physics and Engineering Department for further information.
(760) 744-1150, ext. 2505
Office: NS-355B

Associate in Science Degrees -

AS Degree requirements are listed in Section 6 (green pages).
• Engineering

PROGRAMS OF STUDY

Engineering

Provides the background to begin upper division coursework and will prepare the student for entry level jobs that require a knowledge of engineering and engineering related topics. The highly sequential nature of the engineering curriculum necessitates completion of lower division requirements before being admitted into upper division courses.