

EMERGENCY MEDICAL SERVICES

Associate of Applied Science Degree: Emergency Medical Services

Certificates of Achievement:

- First Responder Prehospital
- EMT Basic
- EMT Intermediate

Certificate of Completion - *Important information about the educational debt, earnings, and completion rates of students who attend this program can be found on the following <https://dacc.nmsu.edu/gainfulemployment/>.*

- EMT Paramedic

Prehospital emergency medical care is a challenging and exciting profession. People's lives often depend on the quick reaction and competent care of emergency medical technicians (EMTs) and paramedics.

Emergency medical services (EMS) professionals may work at any of four different levels: First responder, EMT–basic, EMT–intermediate, and paramedic. Upon successful completion of training, students are eligible for employment in many types of emergency medical systems nationwide—in fire departments, municipal services, private ambulance services, federal services, industry, hospital emergency departments, and hospital-based ambulance systems. The demand for EMS professionals is increasing.

DACC offers all levels of EMS education, as well as an opportunity to earn an associate of applied science degree at the paramedic level. Successful completion of an EMS program will allow for certification/licensure testing at the state and national level.

At each EMS program level, students gain additional knowledge and skills to enable them to function in the clinical and field settings with nurses, physicians, and other healthcare professionals. In classes, students learn about anatomy and physiology, the pathophysiology of diseases, traumatic injuries, pharmacology, and cardiac care. Students acquire skills through laboratory practice, clinical experience in hospitals, and field experience with ambulance services throughout the state. Students may be scheduled at a variety of clinical and field sites which include areas outside Las Cruces.

Program Accreditation

The Emergency Medical Services 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 Profession (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

1361 Park Street
Clearwater, FL 33756
727-210-2350
www.caahep.org

Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession (CoAEMSP)

8301 Lakeview Parkway Suite 111-312
Rowlett, TX 75088
214-703-8445
FAX: 214-703-8992
www.coaemsp.org

In addition, the program is approved by the New Mexico Office of Health Emergency Management.

Required Skills and Abilities

All EMS programs require that the student be able to:

- lift, carry and balance up to 125 pounds (250 pounds with assistance)
- carry out emergency and non-emergency patient care, including, light extrication (i.e., be able to assume a variety of postural positions and be capable of physical maneuvers ranging from crawling, kneeling, squatting, twisting, turning, and bending, to climbing stairs and ladders)
- withstand varied environmental conditions such as extreme heat, cold, and moisture

Program Prerequisites and Entrance Requirements

Specific entrance requirements and prerequisites vary depending on the qualifications of the applicant and the level of training/licensure sought:

EMT–Basic

- Passed approved background check and drug screening
- Documentation of vaccinations:
 - MMR twice since 1980 or Rubella and Rubeola titers;
 - TB screening with expiration past end of semester;
 - Varicella immunity (titer or proof of vaccination accepted)
 - TDAP within 10 years
 - Hepatitis B series or titers or declination waiver
 - Flu shot if in season (October-March)
- Successful completion of OEEM 153 either as a Pre or Corequisite to be eligible to receive an EMT-Basic Certificate.
- OEEM 153 Introduction to Anatomy and Physiology for the EMS Provider must be passed with a C or better.
- Eligible for ENGL 111G Rhetoric and Composition

EMT–Intermediate

- Copy of current New Mexico State Emergency Technician–Basic license OR successful completion of EMT–Basic coursework and EMT–Basic license in hand by first day of class of EMT–Intermediate program
- Score of no less than 80 percent on departmental entrance exam
- Passed approved background check and drug screening
- Documentation of vaccinations:
 - MMR twice since 1980 or Rubella and Rubeola titers;
 - TB screening with expiration past end of semester;
 - Varicella immunity (titer or proof of vaccination accepted)
 - TDAP within 10 years
 - Hepatitis B series or titers or declination waiver
 - Flu shot if in season (October-March)

EMT–Paramedic

Applicants will be judged according to the following criteria and submissions:

- Copy of current New Mexico EMT–Basic or EMT–Intermediate license
- Written, oral, and practical assessment exams at the EMT–Basic or EMT–Intermediate level, depending on current licensure
- Score of no less than 80 percent on departmental entrance exam
- Completion of the following courses:

Prefix	Title	Credits
OEEM 153	Introduction to Anatomy and Physiology for the EMS Provider	3
OEEM 201	Human Pathophysiology	3
OEEM 206	Introduction to Advanced Prehospital Care	3
OEEM 207	Introduction to Pharmacology	3

- Copy of current healthcare provider CPR card
- High school and/or college transcript(s) and GPA
- Accuplacer/ACT scores in English and math
- Completed departmental application, including résumé, and letter of intent
- Letters of recommendation
- Passed approved background check and drug screening
- Documentation of vaccinations:
 - MMR twice since 1980 or Rubella and Rubeola titers;
 - TB screening with expiration past end of semester;
 - Varicella immunity (titer or proof of vaccination accepted)
 - TDAP within 10 years
 - Hepatitis B series or titers or declination waiver
 - Flu shot if in season (October-March)

To graduate with a certificate or an associate degree, students must earn a C or better in all required departmental and non-departmental courses.

Associate of Applied Science Degree: Emergency Medical Services (<http://catalogs.nmsu.edu/dona-ana/academic-career-programs/ems/emergency-medical-services-associate-applied-science>)

Certificate of Achievement: First Responder Prehospital (<http://catalogs.nmsu.edu/dona-ana/academic-career-programs/ems/first-responder-pre-hospital-certificate-completion>)

Certificate of Achievement: EMT - Basic (<http://catalogs.nmsu.edu/dona-ana/academic-career-programs/ems/preparation-emt-basic-licensure>)

Certificate of Achievement: EMT - Intermediate (<http://catalogs.nmsu.edu/dona-ana/academic-career-programs/ems/preparation-emt-intermediate-licensure>)

Certificate of Completion: EMT Paramedic (<http://catalogs.nmsu.edu/dona-ana/academic-career-programs/ems/paramedic-certificate-completion>)

OEEM 101. CPR for the Health Care Professional

1 Credit

Students learn identification and response to airway and circulation emergencies, including use of a SAED and accessing the EMS system. This course is taught using the American Heart Association guidelines for course completion. Required: grade of C or better.

OEEM 103. Heartsaver First Aid/CPR

1 Credit

Students learn how to identify and respond to airway, circulation and basic first aid emergencies, to include using a SAED and accessing the EMS system. This course is intended for students who are not Allied Health Majors and utilizes the American Heart Association guidelines for course completion. Restricted to: Community Colleges only.

OEEM 106. Advanced First Aid

2 Credits

Theory and advanced first aid skills taught emphasizing recognition and providing care for injury or sudden illness until professional medical help arrives. Course meets and/or exceeds the Red Cross or National Safety Council standards.

Corequisite: OEEM 101 or consent of instructor.

OEEM 115. First Responder Prehospital Professional

3 Credits (2+3P)

Provides training in prehospital medical and traumatic emergencies.

Requires a C or better to pass. Restricted to majors.

Prerequisite: consent of instructor.

Corequisite: OEEM 101.

OEEM 116. Emergency Medical Technician Bridge

5 Credits (3+6P)

Enhanced skill instruction and didactic integration designed to meet the requirements for an EMT-Basic certificate. Requires a "C" or better to pass. May be repeated up to 5 credits. Consent of Instructor required.

Corequisite(s): OEEM 121.

Prerequisite(s)/Corequisite(s): OEEM 153. Prerequisite(s): OEEM 101, OEEM 115. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

OEEM 120. Emergency Medical Technician Basic

6 Credits

EMT-Basic skills to include care of soft tissue and muscular/skeletal injuries, circulatory, nervous, general medical and respiratory emergencies. Requires a "C" or better to pass. May be repeated up to 6 credits. Consent of Instructor required.

Corequisite(s): OEEM 101, OEEM 120L, OEEM 121.

Prerequisite(s)/Corequisite(s): OEEM 153. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

OEEM 120 L. Emergency Medical Technician Basic Lab

2 Credits

EMT-Basic skills development with emphasis on assessment, skills competency and team-work in patient care in the prehospital setting. May be repeated up to 2 credits.

Corequisite(s): OEEM 101, OEEM 120, OEEM 121.

Prerequisite(s)/Corequisite(s): OEEM 153. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

OEEM 121. Emergency Medical Technician Basic Field/Clinical

1 Credit

Covers the patient care experience provided through assigned shifts in the hospital and/or ambulance setting. Requires a "C" or better to pass. May be repeated up to 1 credits. Consent of Instructor required.

Prerequisite(s)/Corequisite(s): OEEM 101, OEEM 120, OEEM 120L, OEEM 153. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

**OEEM 122. Emergency Medical Technician Basic Advanced Field/ Internship
2 Credits**

Expanded patient care experience provided through assigned shifts in the hospital and/or ambulance setting. May be repeated up to 2 credits. Consent of Instructor required. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): Current EMT-basic license and consent of instructor.

**OEEM 150. Emergency Medical Technician Intermediate
5 Credits**

Theory of the roles, responsibilities and scope of practice of the EMT-Intermediate. Assessment and management of respiratory, cardiac, trauma, environmental, behavior, reproduction, and childhood emergencies. May be repeated up to 5 credits. Consent of Instructor required. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): Current EMT-basic license, pretest and consent of instructor.

**OEEM 150 L. Emergency Medical Technician Intermediate Lab
2 Credits**

EMT-Intermediate skills development with an emphasis on assessment, skills competency, and team work in patient care in the prehospital setting. Requires a C or better to pass.

Prerequisite(s)/Corequisite(s): OEEM 150, OEEM 151. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

**OEEM 151. Emergency Medical Technician Intermediate Field/Clinical
2 Credits**

Patient care experience provided through assigned shifts in the hospital and/or ambulance setting.

Prerequisite(s)/Corequisite(s): OEEM 150, OEEM 150 L. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

**OEEM 153. Introduction to Anatomy and Physiology for the EMS Provider
3 Credits**

To properly assess and manage a patient, a prehospital provider must have a solid foundation in human anatomy and physiology. This course provides a systematic approach to building this foundation. Grade of "C" or better is required to pass the course. Consent of Instructor required. Restricted to Community Colleges campuses only.

**OEEM 155. Special Topics
1-6 Credits**

Specific topics to be listed in Schedule of Classes. May be repeated for a maximum of 10 credits.

**OEEM 158. Emergency Medical Technician-Combination Refresher
2 Credits**

A comprehensive review of prehospital medicine for the prehospital care provider from the first responder level through the EMT Intermediate. New material relevant to recertification of the New Mexico First Responder, EMT Basic and EMT Intermediate licensure included. Graded S/U.

**OEEM 177. Emergency Medical Services Instructor
4 Credits**

Theory of student learning, methodology, instructional components, evaluation, and course coordination for the EMS profession. May be repeated up to 4 credits. Consent of Instructor required. Restricted to Community Colleges campuses only.

Prerequisite(s): Minimum of an EMT-Basic License required.

**OEEM 201. Human Pathophysiology
3 Credits (2+3P)**

Overview of anatomy and physiology. Emphasis on human body pathophysiology including a medical illness component. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 120, OEEM 120 L.

**OEEM 202. EMT-Paramedic Respiratory Emergencies
3 Credits (2+3P)**

Review anatomy, physiology and pathophysiology of the respiratory system. Assessment and management of respiratory emergencies and acute respiratory failure in the prehospital setting. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 212.

**OEEM 203. EMT-Paramedic Trauma Emergencies
3 Credits (2+3P)**

Study of the effects of trauma on the human body. Assessment and management of trauma patients and scenes, including vehicular extrication. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 216.

**OEEM 206. Introduction to Advanced Prehospital Care
3 Credits (2+3P)**

Overview of prehospital care including roles and responsibilities of EMT-P, EMS systems, medical, legal, ethical issues, stress management, medical terminology, medical report writing and communication. Includes ride-along with ambulance and dispatch observation. Requires a C or better to pass. Restricted to majors. Consent of instructor required. Restricted to: Community Colleges only. Restricted to OEEM majors.

Prerequisite(s): OEEM 120.

**OEEM 207. Introduction to Pharmacology
3 Credits (2+3P)**

Drug actions, factors modifying drugs and dosages: characteristics of drug effects, and drug history and dosages. Prehospital protocol, transport, and common patient prescription medications. Restricted to majors. Requires a C or better to pass. Restricted to: Community Colleges only. Restricted to OEEM majors.

Prerequisite(s): OEEM 120.

**OEEM 210. Cardiac Rhythm Interpretation
3 Credits (2+3P)**

Cardiac conduction system: electrophysiology, electrocardiogram, monitor, atrial, sinus, ventricular and junctional dysrhythmias, multiple lead EKG and 12 lead EKG interpretation. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEEM, OEMS majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 201, OEEM 206, OEEM 207.

**OEEM 212. EMT-Paramedic Cardiovascular Emergencies
3 Credits (2+3P)**

Review anatomy, physiology, and pathophysiology of cardiovascular system. Assessment and management of cardiovascular emergencies in the prehospital setting. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 210.

OEEM 213. EMT-Paramedic: Medical Emergencies I

3 Credits (2+3P)

Study of the disease process; assessment and management of neurological, endocrine, gastrointestinal, renal emergencies and infectious disease. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEEM, OEMS majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 212.

OEEM 214. EMT--Paramedic: Medical Environmental Emergencies II

3 Credits (2+3P)

Study of disease process, assessment, and management of poisoning, drug and alcohol abuse, environmental, behavioral and geriatric emergencies. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 213.

OEEM 216. EMT-Paramedic: Reproductive and Childhood Emergencies

3 Credits (2+3P)

Covers anatomy, physiology, disease processes, assessment and management of male and female reproductive system emergencies, childhood emergencies and growth and development. Restricted to majors. Requires a C or better to pass. Restricted to: Community Colleges only.

Prerequisite(s): OEEM 214 and consent of instructor.

OEEM 218. Pediatric Advance Life Support for the Healthcare

Professional

1 Credit

Identify and respond to life threatening pediatric emergencies. Taught using the American Heart Association guidelines for course completion. Graded S/U.

Prerequisite: OEEM 101.

OEEM 219. Advance Cardiac Life Support for the Healthcare Provider

1 Credit

Identify and respond to life threatening cardiac emergencies. Taught using the American Heart Association guidelines for course completion. Graded S/U.

Prerequisite: OEEM 101.

OEEM 230. EMT-Paramedic Clinical Experience I

3 Credits

Assigned clinical experiences in patient assessment and specific management techniques. Successful completion includes minimum required hours and completion of course objectives. Restricted to majors. Requires a C or better to pass.

Prerequisite: consent of instructor.

OEEM 231. EMT-Paramedic Clinical Experience II

3 Credits

Assigned clinical experiences in patient assessment and specific management techniques. Successful completion includes minimum required hours and completion of course objectives. Requires a "C" or better to pass. May be repeated up to 3 credits. Consent of Instructor required.

Prerequisite(s)/Corequisite(s): OEEM 230. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

OEEM 240. EMT-Paramedic Field Experience I

3 Credits

Advanced prehospital skills and knowledge. Successful completion of at least the minimum required hours and course objectives. Restricted to majors. Requires a C or better to pass.

Prerequisite: consent of instructor.

OEEM 241. EMT-Paramedic Field Experience II

3 Credits

Continued focus on advanced prehospital skills and knowledge, with increasing responsibility for patient care. Successful completion includes meeting at least the minimum required hours and course objectives. Pre/ Requires a C- or better to pass.

Corequisites: OEEM 240 Restricted to majors.

OEEM 242. EMT-Paramedic Field Internship

3 Credits

Emphasis on total patient care responsibility and team leadership skills. Successful completion includes meeting the minimum hours required and course objectives. Pre/ Consent of Instructor required. Restricted to: OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 231, OEEM 241.

OEEM 243. EMT-Paramedic Preparation for Practice

2 Credits

Comprehensive final program testing to prepare for licensing examination. Requires a "C" or better to pass. May be repeated up to 2 credits. Consent of Instructor required. Restricted to: OEMS, OEEM majors. Restricted to Community Colleges campuses only.

Prerequisite(s): OEEM 242.

OEEM 247. Emergency Medical Technician - Paramedic Refresher

2 Credits (1+3P)

A comprehensive review of prehospital emergency medicine for the EMT Paramedic. New material relevant to recertification of the New Mexico and Nationally Registered Paramedic licensure. Graded S/U.

OEEM 253. Critical Care Emergency Medical Transport Program

6 Credits (5+6P)

This course will provide further education to Paramedics, Registered Nurses and Registered Respiratory Therapists who wish to function as part of a critical care transport team. Consent of instructor required. Restricted to: Community Colleges only.

Prerequisite(s): Licensed Paramedic, Registered Nurse or Registered Respiratory Therapist with one or more years experience.

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