

PARAMEDIC/EMERGENCY MEDICAL SERVICES

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Apply Here! (<https://www.atu.edu/ozark/degrees/associates/emergency-medical-services-technician.php>)

This program is designed to meet the educational and training needs of those individuals who wish to gain Arkansas Department of Health Licensure and National Registry of EMT's Certification as a Paramedic.

The Paramedic/EMS Program at Arkansas Tech University-Ozark Campus is accredited by the Committee on Accreditation of Allied Health Educational Programs (www.caahep.org) (<https://www.caahep.org/>) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs
9355 - 113th St. N, #7709
Seminole, FL 33775
727-210-2350
www.caahep.org (<https://www.caahep.org/>)

To contact CoAEMSP:
8301 Lakeview Parkway, Suite 111-312
Rowlett, TX 75088
214-703-8445
Fax: 214-703-8992
www.coaemsp.org (<https://coaemsp.org/>)

Career opportunities exist with air and ground emergency medical services, fire departments, medical centers and industry. Among other characteristics, a Paramedic should possess professionalism, dignity, empathy and tolerance. Under the direction of a physician, the student will be presented with material to aid them in: assessment of the pre-hospital needs of the acutely ill or injured patient, triage, basic as well as advanced life support, communication skills, and maintaining the level of care as the patient is transported to a health care facility.

Students must apply to and be admitted into the technical phase of the Paramedic program before taking any of the paramedic program courses. Students must be currently licensed with the Arkansas Department of Health Division of EMS as an EMT or have taken, and passed with a grade of "C" or better, an Emergency Medical Technician course within the last one year and be eligible to take the state exam prior to being admitted into the program.

The student must complete all courses in the previous semester with at least 75% to be eligible for the next level of the Paramedic program. Students must also pass the end of course assessment to be recommended for the National Registry of EMT's exam.

Students are advised that the Paramedic/EMS Program is strenuous in nature. Students are therefore not allowed to take additional course work that is not directly related to their degree plan while in the Paramedic Program. If a student has completed all general education course

requirements prior to entering the program, the student may not have a full load of twelve credit hours or more (which could affect financial aid eligibility).

The Paramedic Program is very intense and requires approximately 30-36 hours per week of theory/lab/fieldwork. This does not include prep or study time. The hours ascribed to each semester while in the Paramedic Program are considered by the program to be full time.

Students who begin the technical phase of the program and withdraw have one year to continue studies. After one year of absence, student must reapply and take all requirements.

Associate of Applied Science in Paramedic/Emergency Medical Services to Bachelor of Science in Emergency Management

Through collaboration between Arkansas Tech-Ozark Campus and Arkansas Tech-Russellville Campus, a stackable degree path has been approved that will provide students who have earned an Associate of Applied Science in Paramedic/Emergency Medical Services a clear path to complete a Bachelor of Science in Emergency Management.

In order to earn this stackable degree, it will be necessary to substitute and/or add some course work in the associate degree in order to satisfy requirements for the bachelor degree. These modifications are listed in the curriculum below along with the requirements to complete the Bachelor of Science in Emergency Management degree.

Students who want to pursue this option must use the associate degree curriculum for the stackable degree path.

Programs

- Basic Emergency Medical Technician, Certificate of Proficiency (<https://catalog.atu.edu/ozark/programs/paramedic-emergency-medical-services/basic-emergency-medical-technician-cp/>)
- Paramedic/Emergency Medical Services, Associate of Applied Science (<https://catalog.atu.edu/ozark/programs/paramedic-emergency-medical-services/paramedic-emergency-medical-services-aas/>)
- Paramedic/Emergency Medical Services, Technical Certificate (<https://catalog.atu.edu/ozark/programs/paramedic-emergency-medical-services/paramedic-emergency-medical-services-tc/>)

Courses

EMTP 1001 First Aid and CPR for Health Care Providers

Student in this course will learn to recognize and provide first aid for injuries ranging from simple lacerations to musculoskeletal injuries. Students will also learn how to recognize various medical emergencies ranging from heart attacks to allergic reactions. Students will complete requirements for certification in first aid, adult, child and infant CPR including Automated External Defibrillator (AED). This course is recognized by health care agencies, fire departments, police departments and local industries. (Cost of certification will be assessed). Ozark Card

EMTP 1007 Basic Emergency Medical Services Training

This course is designed to train students to perform in pre-hospital care of acutely ill or injured patients. EMTs perform such measures as cardiopulmonary resuscitation, extrication, initial patient assessment and triage, stabilization and transport of any emergency, to include routine transport of non-emergent patient to allied health care facility. Completion of this course with a "C" or better and passing the state exam and be licensed is a pre-requisite to be eligible to enter the Paramedic program. Ozark Malpractice Insurance

EMTP 1233 Medical Emergencies I with Laboratory

This course will present the student with a review of anatomy and physiology, an overview of pathophysiology, clinical assessment and treatment of patients presenting with specific illness. Critical thinking and clinical decision making, airway management, and assessment of respiratory, and neurology patients will be included in this section with an emphasis on assessment and management of present illness for effective field treatment. In addition, there will be a review of EMS systems, safety and wellness, public health, medical legal, communications, and documentation. The lab section will include performance of both basic and advanced prehospital airway management techniques, skill practice, scenario development, and high fidelity simulations in a lab environment. Students must successfully demonstrate each skill through a pass/fail scenario for successful course completion. Application of these skills will be reassessed in the clinical setting. This is the first of a series of three Medical Emergency courses required for the paramedic program. Lecture: 3 hours, Laboratory: 1 hour. Ozark Paramedic

EMTP 1234 Clinical Practicum I

The student will receive supervised clinical experience in the emergency department and operating room. While in these areas, the student will perform patient procedures under the guidance of a professional health care preceptor with expertise in the patient care area while also observing all care. Students will be required to assess and document on specific age and diverse complaint based patients while in the clinical area. Patient documentation will be placed and maintained in an online database. A team approach will be emphasized in the clinical area while performing basic and advanced patient skills. Age and condition requirements must be met in the clinical setting and may be found in the program handbook. Clinical: 4 hours. Ozark Allied Health

EMTP 1243 Pharmacology

Includes the pharmacological developments, standards, patient rights and drug controls. The student will apply their knowledge of human anatomy and physiology, and ethics with the pharmacological use of medications, pharmacokinetics, fluids, and electrolytes. Clinical pharmacology will be emphasized. Lecture: 3 hours. Ozark Allied Health

EMTP 2101 Cardiology I

This course is the first in a two-part series of cardiology courses aimed at giving the paramedic student a comprehensive knowledge of cardiology. The course is designed to train students to understand the pathophysiology, assessment, and management of cardiac patients to include pharmacological and electrical interventions. The pharmacology section will focus on the study, preparation, administration, and indications of cardiac medications. Students will be presented with EKG (ECG) monitoring leads I, II, and III with an emphasis on the study of arrhythmia etiologies and irregular waveforms. An overview of 12-lead techniques will also be discussed. Lecture: 1 hour. Ozark Paramedic

EMTP 2111 Clinical Practicum II

Prerequisite: EMTP 1234.

A continuation of Clinical Practicum I. The student will apply basic and advanced assessment and procedures in the emergency department and operating room while under supervision of preceptor and/or clinical coordinator. Age and condition requirements must be met in the clinical setting and may be found in the program handbook. Clinical: 1 hour. Ozark Allied Health

EMTP 2202 Cardiology Laboratory II

Co-requisite: EMTP 2203.

Prepares prehospital care providers for the use and application of cardiac monitors (semi-automated and manual), vagal maneuvers, waveform capnography, and pulse oximetry. Application of these skills will be reassessed in the clinical setting. Laboratory: 1 hour. Ozark Allied Health

EMTP 2203 Cardiology II

Co-requisite: EMTP 2202.

This course is designed to introduce students to the practical application of pathophysiology, assessment and management of cardiac patients to include pharmacological and electrical interventions. The American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) will be administered during this course. ACLS is designed to offer health care professionals a high-density course of advanced cardiac knowledge and treatment. Critical thinking skills will be examined through case based scenarios as well as a written test. In addition to the regular coursework, students must successfully complete ACLS practical (Pass/Fail) and written exam (84%) to successfully complete Cardiology II. Lecture: 3 hours. Ozark Allied Health

EMTP 2211 Clinical Practicum III

Prerequisite: EMTP 2111.

Designated preceptors and/or clinical coordinator in the following areas will supervise students: Intensive Care Unit, Surgical Recovery, Operating Room, and Labor and Delivery. Students will apply knowledge of all previous program coursework and perform procedures that are appropriate for these areas of hospital. Age and condition requirements must be met in the clinical setting and may be found in the program handbook. Clinical: 1 hour. Ozark Allied Health

EMTP 2212 Emergency Medical Services Operations

Prepares prehospital care providers to perform in an operations role within the EMS system. This course includes the utilization of medical direction and protocols, rescue, and mass casualty response. Hazardous materials as well as violent situations will be covered with an emphasis on personal and bystander safety. Students will also be expected to successfully complete the Federal Emergency Management Agency National Incident Management System curriculum via the FEMA Emergency Management Institute website during this course. Lecture: 2 hours. Ozark Allied Health

EMTP 2311 Assessment Based Management

This course includes the final aspects of pre-hospital care and management in this session of the paramedic program. The student will learn effective scene and patient management, critical thinking, and clinical decision-making. This session will serve as a final analysis of the student's ability to analyze patient information and provide the treatment necessary for the best outcome of the patient's condition. The student must have an understanding of all tasks required of the paramedic exam, computerized end of course final, and an oral interview by the program medical director must be successfully completed to complete this course. Upon successful completion of this course, the student will be recommended as a candidate for Paramedic National Registry of EMT's testing. Lecture: 1 hour. Ozark Allied Health

EMTP 2313 Medical Emergencies II with Laboratory

Prerequisite: EMTP 1233.

This course is designed to train students to understand the pathophysiology, assessment and management of various types of patients. Life Span Development, Gynecology, Obstetrics, Neonates, and Pediatrics are the topics covered for this course. Emphasis will be placed on assessment based management of present illness and focused patient complaints. The American Heart Association (AHA) Pediatric Advanced Life Support (PALS) program will be presented during this course. PALS is designed to provide health care professionals a greater knowledge of emergency care for the pediatric patient. The PALS course stresses critical thinking skills and the student will be examined through case based scenarios as well as a written test. In addition to the regular coursework, students must successfully complete the PALS course to pass this class. This is the second of a series of three Medical Emergency courses required for the paramedic program. Lecture: 3 hours, Laboratory: 1 hour, Ozark Allied Health

EMTP 2316 Paramedic Internship

Prerequisite: EMTP 2211.

This course is divided into two phases. Phase I students will be placed with preceptors in the field who supervise patient assessment and management skills during the student's prehospital rotation. Students will demonstrate a greater understanding of EMS systems, dispatching, and emergencies with a higher level of competency in both verbal and written documentation. Upon completion of Phase I, each student must demonstrate a level of understanding, professionalism and clinical knowledge of prehospital emergency care to be recommended by the medical director and/or clinical coordinator to enter Phase II of Paramedic Internship. Phase II students must perform patient assessment and management skills while under supervision of experienced preceptors including the ability to perform as a team leader in the prehospital setting during this phase of the program. A closer evaluation of student's character and professionalism will be emphasized. This course will be the student's final step in prehospital field evaluation. Clinical: 6 hours. Ozark Allied Health

EMTP 2323 Trauma Management

This course is intended to present the student with a comprehensive insight into traumatic injury. Pathophysiology, assessment, and management of trauma to include blunt, penetrating, soft-tissue, burn, musculoskeletal, head, face, neck, spinal, thoracic, and abdominal trauma as well as hemorrhage and shock will be analyzed. Types and phases of shock will be explored to provide the student assessment knowledge for the treatment of various shock conditions. Epidemiology of trauma will be discussed as well as the Arkansas Trauma System. Lecture: 3 hours. Ozark Allied Health

EMTP 2413 Medical Emergencies III with Laboratory

This course will present the student with a review of anatomy and physiology, an overview of pathophysiology, clinical assessment and treatment of patients presenting with specific illness. Diseases of the eyes, ears, nose and throat, endocrine emergencies, hematologic, immunologic, infectious disease, abdominal and gastrointestinal, genitourinary, geriatric, and special challenge patients will be included in this section, with an emphasis on assessment and management of present illness for effective field treatment. Comprehensive management of all types of patients with various medical illnesses will be covered using scenarios and simulations. This is the last of a series of three Medical Emergency courses required for the paramedic program. Ozark Allied Health

Faculty Instructor

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