

Academic Programs with Special Admissions: EMS /EMTP

EMERGENCY MEDICAL SERVICES-PARAMEDIC - 494

Associate of Applied Science Degree

Total Credits: 110

Nature of the Profession: Emergency Medical Services (EMS) personnel, under the direction of a physician, provide emergency medical care primarily in the out-of-hospital environment. They complete a comprehensive assessment and provide initial management to patients of all ages with a variety of medical and traumatic conditions. Patient management requires the ability to perform a number of skills ranging from splinting and bandaging to advanced airway procedures and defibrillation.

Program Design: Accredited by the Ohio Department of Public Safety, Division of EMS, the Emergency Medical Services program offers these options:

- 1) EMT-Basic Certification - This single course option (EMTP 101) provides the student with the necessary material to be eligible to sit for the State of Ohio certifying examination for EMT-Basic.
- 2) Paramedic Certification - This course sequence (EMTP 106, 110, 120, 214, 224, 215, 225, 216, 217, 226) provides the student who already holds a minimum of EMT-Basic certification with the necessary material to be eligible to sit for the State of Ohio certifying examination for EMT-Paramedic.
- 3) A.A.S. Degree in EMS - This sequence includes the EMT-Basic and Paramedic certification material as well as additional science, humanities, and technical courses. This program may be completed in seven quarters of full-time study. Many students, however, pursue the degree on a part-time basis.

Admission to Emergency Medical Services courses requires acceptance by the EMS program director according to the program admission requirements. Students may elect to complete some or all of the general education course requirements prior to being accepted into the EMS courses. Continuation in the EMS program requires a grade of "C" or above in all courses in the curriculum and successful completion of the State of Ohio certifying examination for EMT-Basic.

Application Process:

The application process and admission requirements are as follows:

- 1) Complete general college admissions procedures.
- 2) Complete the Emergency Medical Services program application available from the EMS office.
- 3) Provide a copy of current EMS certification card if applicable.
- 4) Provide a copy of current CPR course completion card if applicable.
- 5) Schedule a meeting with a member of the full-time EMS faculty.

Enrollment in EMS courses is limited. Applicants are accepted on a first-come, first served basis after the above criteria are met.

After acceptance, but before beginning their clinical experience, students will be required to:

- 1) Provide medical examination and immunization information on our form indicating they meet the health requirements for clinical experiences.
- 2) Complete a criminal background record check with results acceptable for placement in clinical experiences.
- 3) Complete a standard drug screen with results acceptable for placement in clinical experiences.
- 4) Purchase student liability insurance.
- 5) Purchase the required student uniform.
- 6) Maintain current CPR certification.

Notes: A felony or misdemeanor may disqualify a candidate from being certified by the State of Ohio. BIOL 205 has a prerequisite of High School Biology or BIOL 104 and 114.

COURSES		CREDITS
First Quarter		
EMTP 101❖	Emergency Medical Technician - Basic	10
BIOL 205	Anatomy & Physiology I	5
Second Quarter		
EMTP 106❖	Success for EMS Professionals	5
EMTP 107	Issues in EMS	3
ENGL 101	English Composition I	4
BIOL 206	Anatomy & Physiology II	5
Third Quarter		
EMTP 110❖	Paramedic Theory & Practice I	6
EMTP 120❖	Paramedic Clinical I	3
ENGL 102	English Composition II	4
BIOL 207	Anatomy & Physiology III	5
Fourth Quarter		
EMTP 214❖	Paramedic Theory & Practice II	7
EMTP 224❖	Paramedic Clinical II	3
MATH 135	Allied Health Mathematics	4
Fifth Quarter		
EMTP 215❖	Paramedic Theory & Practice III	7
EMTP 225❖	Paramedic Clinical III	3
PSYC 110	Principles of Psychology	5
Sixth Quarter		
EMTP 216❖	Paramedic Theory & Practice IV	5
EMTP 226❖	Paramedic Clinical IV	3
EMTP 217❖	Preparation for Paramedic Certification	3
PSYC 111	Life Span and Human Development	5
Seventh Quarter		
EMTP 220	Advanced Topics in EMS	7
PHIL	Introduction to Philosophy (101 or 102)	4
SOCI	Introduction to Sociology (170 or 171)	4
Program Total		110

❖ Indicates courses needed for EMT-Basic Certification

❖ Indicates courses needed for Paramedic Certification

Last Updated: February, 2009

EMERGENCY MEDICAL TECHNICIAN PARAMEDIC - EMT

EMTP 101 Emergency Medical Technician – Basic

Prerequisites: Meet Ohio Division of EMS requirements 10 credits

This course is designed to prepare the student to perform minimum entry-level emergency care in the out-of-hospital environment. Emphasis includes recognizing the nature and seriousness of the patient's condition, administering appropriate emergency medical care, lifting, moving and positioning the patient to minimize discomfort and prevent further injury, and perform these duties safely and effectively. At the end of this course, successful students will be eligible to sit for Ohio certification testing as an Emergency Medical Technician-Basic.

EMTP 103 EMT-Basic Refresher

**Prerequisites: EMT-Basic Certification or Permission of Program Director
3 credits**

This course is designed for the practicing EMT-Basic. Emphasis includes recognizing the nature and seriousness of the patient's condition, administering appropriate emergency medical care, lifting, moving and positioning the patient to minimize discomfort and prevent further injury, and perform these duties safely and effectively. At the end of this course, successful students will be eligible for renewal of their State of Ohio EMT-Basic certification and will have completed a portion of the requirements for National Registry of EMT's reregistration.

EMTP 105 EMS Operations

Prerequisites: completion of an Ohio approved EMT Basic class 8 credits

An in-depth study of topics affecting EMS operations. Topics covered include legal/ethical issues, research as it applies to EMS, multiple casualty incident management, hazardous materials incident management, rescue operations and EMS response to terrorism. Other topics of interest to the students may be incorporated as time allows.

EMTP 106 Success for EMS Professionals

Prerequisites: EMTP 101 or Current EMT certification 5 credits

This course is designed to increase students' success in advanced-level EMS courses and their future EMS careers. Proven student success principles including personal responsibility, self-motivation, and self-management will be addressed. In addition, anatomy, physiology, and pathophysiology topics pertinent to advanced EMS education will be studied. Finally, an overview of medical terminology and dosage calculation will be included. This course is a prerequisite for all advanced-level EMS courses.

EMTP 107 Issues in EMS

Prerequisites: EMTP 101 or Current EMT certification 3 credits

This course provides an in-depth study of major issues affecting EMS providers. Topics covered include medical/legal issues and research as it applies to EMS. Other topics of interest to the students may be incorporated as time allows.

EMTP 110 Paramedic Theory and Practice I

Prerequisites: EMTP 106, Current Ohio EMT certification, Meet Ohio Division of EMS requirements

Corequisites: EMTP 120 6 credits

This is the first course in the paramedic certificate sequence. Topics will include an introduction to out-of-hospital care, the roles and responsibilities of the paramedic, and the foundational material for the practice of advanced life support.

EMTP 120 Paramedic Clinical I

Prerequisites: EMTP 106, Current Ohio EMT certification, Meet Ohio Division of EMS requirements

Corequisites: EMTP 110 3 credits

The paramedic clinical sequence provides an opportunity for students to apply the material from the didactic and laboratory courses in a healthcare facility and/or field environment. During this directed practice experience, students practice the skills and apply the knowledge from these courses under the supervision of a clinical preceptor. Through the sequence, they will progress from observer to participant to team leader as their knowledge and skills develop.

EMTP 214 Paramedic Theory and Practice II**Prerequisites:** EMTP 110, EMTP 120**Corequisites:** EMTP 224 7 credits

This course will cover assessment and management of the trauma patient and will introduce cardiac rhythm interpretation. Topics will include trauma systems, mechanism of injury, bleeding, shock, burns, and management of injuries to different body areas. Basic cardiac rhythm interpretation will also be included.

EMTP 215 Paramedic Theory and Practice III**Prerequisites:** EMTP 214, EMTP 224**Corequisites:** EMTP 225 7 credits

This course will cover assessment and management of patients with various medical conditions. Topics will include respiratory, cardiovascular, neurologic, and endocrine emergencies. Obstetric and gynecologic emergencies will also be discussed.

EMTP 216 Paramedic Theory and Practice IV**Prerequisites:** EMTP 215, EMTP 225**Corequisites:** EMTP 217, EMTP 226 5 credits

This course will cover special considerations in emergency medical care and EMS operations. It will also integrate information from previous classes to allow the student to provide comprehensive emergency medical care.

EMTP 217 Preparation for Paramedic Certification**Prerequisites:** EMTP 215 or permission of program director**Corequisites:** EMTP 216, EMTP 226 or permission of program director 3 credits

This course is designed as a review and preparation tool for the paramedic certification exam. The course is designed to aid students in recalling and applying principles of advanced out of hospital patient care. Methods to improve test-taking skills and relieve test anxiety are also included.

EMTP 218 Paramedic Refresher**Prerequisites:** Paramedic Certification or Permission of Program Director**4 credits**

This course is designed for the practicing Paramedic. Emphasis includes assessment and management of a variety of conditions in the following areas: Airway and Breathing, Cardiology, Medical Emergencies, Trauma Emergencies, Pediatrics, Obstetrics, and EMS Operations. At the end of this course, successful students will have completed the refresher course requirements of the State of Ohio and the National Registry of EMTs.

EMTP 220 Advanced Topics in EMS**Prerequisites:** completion of an Ohio approved Paramedic program 7 credits

This course discusses the concept and components of critical care transport and the advanced knowledge and skills that are beneficial in treating and transporting critically ill patients. Detailed assessment and management of conditions affecting the respiratory, cardiovascular, gastrointestinal, genitourinary, and neurological systems is covered. In addition, a principle of pharmacological management as it applies to emergency department and critical care transport is discussed. Information is then integrated using simulated patient presentations to reinforce the principles learned and present special situations.

EMTP 224 Paramedic Clinical II**Prerequisites:** EMTP 110, EMTP 120**Corequisites:** EMTP 214 3 credits

The paramedic clinical sequence provides an opportunity for students to apply the material from the didactic and laboratory courses in a healthcare facility and/or field environment. During this directed practice experience, students practice the skills and apply the knowledge from these courses under the supervision of a clinical preceptor. Through the sequence, they will progress from observer to participant to team leader as their knowledge and skills develop.

EMTP 225 Paramedic Clinical III**Prerequisites:** EMTP 214, EMTP 224**Corequisites:** EMTP 215 3 credits

The paramedic clinical sequence provides an opportunity for students to apply the material from the didactic and laboratory courses in a healthcare facility and/or field environment. During this directed practice experience, students practice the skills and apply the knowledge from these courses under the supervision of a clinical preceptor. Through the sequence, they will progress from observer to participant to team leader as their knowledge and skills develop.

EMTP 226 Paramedic Clinical IV

Prerequisites: EMTP 215, EMTP 225

Corequisites: EMTP 216, EMTP 217 3 credits

The paramedic clinical sequence provides an opportunity for students to apply the material from the didactic and laboratory courses in a healthcare facility and/or field environment. During this directed practice experience, students practice the skills and apply the knowledge from these courses under the supervision of a clinical preceptor. Through the sequence, they will progress from observer to participant to team leader as their knowledge and skills develop.