



Jones Hall

Emergency Medical Technology

Emergency medical services is a dynamic and rapidly growing health care profession in the U.S. With the initiation and expansion of pre-hospital advanced life-support delivery throughout the country, a dire need for prehospital care providers, primarily EMT-paramedics, exists.

The EMT-paramedic provides advanced life support to patients experiencing medical, traumatic or health crises in the prehospital setting. The EMT-paramedic functions as an extension of the emergency department physician and is responsible for the assessment, treatment and stabilization of the sick or injured patient using advanced life support equipment and techniques at the scene of the incident and en route to the medical facility. Specific responsibilities include patient interviewing, physical examination, priorities for emergency care, cardiac monitoring and interpretation, defibrillation, intravenous and drug therapy, newborn delivery, management of the emotionally disturbed patient, extrication of the entrapped victims, rescue, advanced airway management and chest decompression. The treatment of the patient is based on the EMT-paramedic's clinical impression.

An EMT-paramedic must possess the ability to remain calm and be able to function in an uncontrolled environment, exhibit leadership qualities, good physical condition, emotional stability, psychological adaptability, good moral character and manual dexterity.

Employment Opportunities

EMT-paramedics primarily work in the field setting for public, fire department, hospital-based or private emergency medical services. Job opportunities also exist in emergency departments and air medical transport (helicopter medevac). Work shifts may be 24 hours, 12 hours or eight hours.

Job placement at the local, state or national level is excellent. Graduates of YSU's emergency medical technology program are eligible for placement in any state in the U.S. The average starting salary for an EMT-paramedic is \$30,000 to \$35,000 locally and nationally, with most standard benefits provided by employers. Advancement opportunities in the field are based on clinical competency, academic preparation and experience.

Degree Options

Emergency medical technology programs are designed to prepare students to provide emergency care to patients experiencing acute medical or traumatic conditions in the out-of-hospital environment.

The Department of Health Professions at Youngstown State University offers EMT programs on four levels:

- 1) Certificate in Emergency Medical Technician-Basic.** This program is a prerequisite for admission to the degree program.
- 2) Certificate in Emergency Medical Technician-Paramedic.** This three-semester course of study provides graduates with an understanding of the recognition, assessment, supervision, and management of emergency medical situations. All components of the program meet or exceed the 1998 National Standard Curriculum by the U.S. Department of Transportation for paramedic education.
- 3) Associate in Applied Science (A.A.S.) degree in emergency medical technology.** This two-year program provides training at an advanced level and prepares students to seek alternative clinical and supervisory positions after graduation. This includes the advanced coursework needed to function as a critical care paramedic with ground or air medical transport systems, as well as the multi-skilling coursework necessary to prepare the graduate to function within emergency departments or other similar emergent care facilities. This coursework

focuses on research and on organizational and managerial, as well as clinical, aspects of emergency services. Field experience, physician lectures, critical care clinical time and educational seminars are included.

4) Bachelor of Science in Applied Science (B.S.A.S.) degree with a major in allied health. Students have the option of pursuing a bachelor's degree program with an EMT track. Program details are available from the Department of Health Professions.

A baccalaureate degree with an emergency medical services emphasis is also available.

Bachelor's Degree Program in Allied Health

Students seeking more specialization in the allied health field can continue their studies by pursuing the allied health major, which leads to the Bachelor of Science in Applied Science degree. This program enables interested students to take advanced technical courses in emergency medical technology along with upper-division courses in allied health.

Accreditation

The emergency medical technology program receives state accreditation by the Ohio Department of Public Safety, Division of EMS (#333), and nationally by the Commission on Accreditation of Emergency Medical Services Programs (CoAEMSP).

Faculty

The emergency medical technology courses are taught by paramedic faculty with extensive pre-hospital experience. Courses are also taught by other health-care professionals, including physicians.

Youngstown State University maintains a faculty-student ratio of 1:19, among the lowest of state-affiliated universities in Ohio.

Facilities

The Department of Health Professions is housed in modern Cushwa Hall, one of the largest buildings on campus. Located here are classrooms and well-equipped laboratories, including a simulation laboratory. In addition, the emergency medical technology program is

affiliated with three hospitals and four advanced life-support services that provide facilities for expanded instruction in advanced life-support techniques.

Special Honors and Awards

Each year, the student working toward the paramedic certificate who has the highest academic average in EMT courses receives the James L. Finley, M.D., award. The Renee Cossette, M.D., Award is given to the student who exhibits superior leadership and clinical skills during the second year of the associate degree program.

Special Costs

Because of the nature and clinical setting of the services they provide, emergency medical technology students incur cost beyond regular University tuition and fees. Special costs include laboratory coats and uniforms for the clinical and internship courses.

Emergency Medical Technology Admission Requirements

Students seeking admission to the EMT-paramedic certificate and associate degree programs must meet University admission requirements and must:

- Be at least 18 years of age
- Hold a current driver's license
- Be a Nationally Registered or Ohio certified EMT-Basic
- Submit results of a physical examination conducted by their family physician or University Health Services.

Entrance to the associate degree program is restricted. Graduates of the one-year paramedic program at YSU are eligible for entrance into the associate degree program. Individuals who have not completed the one-year program at YSU may receive credit for certificate courses by examination.

Students interested in the emergency medical technology program are advised to contact the program director at 330-941-3327 to arrange for an appointment to review the admission requirements.

(see following page)



To obtain the Undergraduate Admissions and Financial Aid Application and/or a copy of the current Undergraduate Bulletin, please contact the Office of Admissions at:

Telephone: (877) 468-6978 330-941-2000 TDD: 330-941-1564 Fax: 330-941-3674 E-mail: enroll@ysu.edu

The Office of Admissions is open Monday and Thursday, 8:00 a.m. to 6:00 p.m., and Tuesday, Wednesday, and Friday, 8 a.m. to 5 p.m. The Office is also open every other Saturday from 9 a.m. to noon, except on holiday weekends and during term breaks

Curriculum Overview

For the A.A.S. degree – emergency medical technology:

Required prior to enrolling in paramedic courses:

- Emergency Medical Technician - Basic
- Emergency Medical Technician - Basic Lab

First Semester (Fall)

- Introduction to Prehospital Medicine
- General Pathophysiology and Management for Prehospital Medicine
- Patient Assessment and Airway Management
- Principles of Trauma
- Emergency Medical Techniques I – Lab
- Emergency Department Clinical I
- Human Anatomy & Physiology for Allied Health Majors

Second Semester (Spring)

- Cardiopulmonary Emergencies
- Cardiopulmonary Techniques Lab
- Medical Emergencies
- Emergency Medical Techniques II – Lab
- Emergency Medical Services Operations
- Clinical Experience I
- Prehospital Internship Experience I
- General Pharmacology

Third Semester (Summer)

- Emergency Medicine Special Topics
- Emergency Medicine Special Topics - Lab
- Emergency Medicine Special Certifications
- Clinical Experience II
- Prehospital Internship Experience II

At the conclusion of this phase of the program, the student will be eligible to challenge the National Registry Examination for the EMT-Paramedic, and receive subsequent state certification and national registration as an EMT-paramedic.

Fourth Semester (Fall, Second Year)

- Pathophysiology for Critical Care Paramedicine
- Assessment & Management for Critical Care Paramedicine
- Chemistry for Health Sciences with Lab

Fifth Semester (Spring, Second Year)

- Research Methodology for EMS
- Multi-Skilled EMS Practitioner
- Advanced Clinical & Field Internship Experience

At the conclusion of the final two semesters of coursework, the student will be awarded the Associate in Applied Science degree in emergency medical technology, as well as certificates of completion for the critical care paramedic and the multi-skilled practitioner.

For more information about this program, go to

<http://bchhs.ysu.edu/dhp/dhp.html>



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