

School of EMT

Emergency Medical Technician (EMT) Program

An emergency medical technician (EMT) initiates immediate life-saving care to critical patients who access emergency medical services (EMS). This individual possesses the basic knowledge and skills necessary to provide patient transportation. EMTs function as part of a comprehensive EMS response, under medical oversight. EMTs perform interventions with the basic equipment typically found on an ambulance.

After successful completion of the emergency medical technician course the student is eligible to take the National Registry of Emergency Medical Technicians Certification Written and Practical Examination required to become licensed in the State of Michigan as an EMT.

The program is sanctioned by the Michigan Department of Health and Human Services, Bureau of EMS, Trauma, & Preparedness as an EMS Education Program Sponsor.

Admission Requirements:

- 18 years of age or older
- High School Diploma or GED
- Capable of Meeting the Essential Requirements for the Profession of Emergency Medical Services.
- Several vaccinations and health examination.
- Possess a Valid Driver's License.
- Access to Reliable Internet & Email Access throughout the Program.
- Acceptable Results on Criminal Background Check Based on the Applicant's Social Security Number with Copy Provided to School of EMT. (Results of a Background Check that are consistent with felony or misdemeanor convictions as identified in MCL 400.701 to 400.737, including 34(b) and 34(c), may result in disqualification for participation in the education program.)
- Must submit an approved UPHS Drug Screen at your own expense with acceptable results to continue in the program upon receipt of the results by the School within 30 days of course start date. You are also required to provide the results of the completed UPHS Drug Screen to the School of EMT to be maintained as part of any current student's active file. (Please call Occupational Medicine 449-1140)

Faculty:

A highly qualified faculty is dedicated to the mission of the School of EMT, to prepare students to meet the competencies of national and state agencies.

Health Care Alliances:

A variety of settings are utilized for clinical rotations that will enhance the student's skills and knowledge base throughout the program.

Where do I begin:

Visit our website at

<http://www.mgh.org/for-healthcare-professionals/school-of-emt> for more information.

Applications:

Accepted in late spring through summer for classes beginning in fall. Applicants are accepted on a first come, first served basis without discrimination. Please email Katrina.Rushford@mghs.org for an application packet.

Minimum Emergency Medical Technician Curriculum

TOPIC	COURSE HOURS
PREPARATORY	26 HOURS
Introduction to Emergency Medical Care	1 Hour
The Well-Being of the EMT	5 Hours
Medical/Legal Ethical Issues	2 Hours
The Human Body	10 Hours
Baseline Vital & SAMPLE History	4 Hours
Lifting & Moving Patients	4 Hours
General Pharmacology	4 Hours
AIRWAY	16 HOURS
Airway, Oxygenation, & Ventilation	12 Hours
Esophageal/Tracheal Dual Lumen Airway, Combitube®, King Ltd® i-gel supraglottic airways	4 Hours
PATIENT ASSESSMENT	17 HOURS
Scene Size-up	1 Hour
Initial Assessment	2 Hours
Focused History & Physical Examination: Medical	4 Hours
Focused History & Physical Examination: Trauma	5 Hours
Detailed Physical Examination	2 Hours
On-Going Assessment	1 Hour
Communications	1 Hour
Documentation	1 Hour
MEDICAL	43 HOURS
Respiratory Emergencies	6 Hours
Cardiovascular Emergencies	16 Hours
Diabetic Emergencies	2 Hours
Allergic Reactions	1 Hour
Poisoning/Overdose Emergencies	3 Hours
Environmental Emergencies	2 Hours
Behavioral Emergencies	3 Hours
Obstetrics	4 Hours
Abdominal Illness	1 Hour
Central Nervous System Illness	1 Hour
TRAUMA	32 HOURS
Bleeding & Shock (PASG & IV Maintenance)	12 Hours
Soft Tissue Injuries	10 Hours
Musculoskeletal Care	8 Hours
Injuries to the Head & Spine	8 Hours
SPECIAL CONSIDERATIONS	13 HOURS
Geriatrics	2 Hours
Pediatrics	8 Hours
Human Trafficking	2 Hours (Proposed)
Safe Baby Training	1 Hour (Proposed)
OPERATIONS	12 HOURS
Ambulance Operations	2 Hours
Gaining Access	5 Hours
Triage/Disaster/HAZMAT Overview	5 Hours
CLINICAL	40 Hours
EMS Clinical	20 Hours (minimum)
Emergency Department Clinical	20 Hours (minimum)
TOTAL TRAINING HOURS	205 Hours

We appreciate your interest in our program and look forward to hearing from you. If you have any questions or wish to make an appointment to discuss the program contact School of EMT, 580 W. College Avenue, Marquette, MI 49855, or by calling Katrina Rushford at 906-225-7590. Email at Katrina.Rushford@mghs.org.

5.1B**ESSENTIAL REQUIREMENTS FOR EMS STUDENTS**

The faculty has specified the following non-academic criteria, which all students are expected to meet in order to participate in healthcare education programs and professional practice. The student must be able to participate actively in all demonstrations, laboratory exercises, and clinical experiences in the clinical component and comprehend the condition of all patients assigned to them.

STANDARD	ESSENTIAL ACTIVITIES/TASKS (not all inclusive)
Critical thinking ability sufficient for clinical judgment and decision-making.	<ul style="list-style-type: none"> • Use relevant data to support the decision making process. • Identify priorities of care based on analysis of data. • Analyze and use assessment findings to plan care for clients. • Evaluate the plan of care and revise as appropriate. • Solve problems and make valid, rational decisions using logic, creativity, and reasoning. • Demonstrate ability to compute dosages and knowledge of pharmacology as appropriate to level of training.
Interpersonal abilities sufficient to interact with individuals, families and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> • Establish rapport with clients and colleagues through speech, touch, and hearing. • Work effectively in small groups as team members and/or as lead. • Practice therapeutic (non-harmful) communication using hearing, speech, and judgement of appropriate responses.
Communication abilities sufficient for interaction with others in verbal, nonverbal, and including comprehension of small English print.	<ul style="list-style-type: none"> • Communicate therapeutically with clients, families, and groups in a variety of settings. • Communicate pertinent information in the English language both verbally and in writing to appropriate persons. • Document data and care completely and accurately using appropriate terminology. • Provide health teaching for clients, families and groups.
Auditory abilities sufficient to monitor and assess health needs.	<ul style="list-style-type: none"> • Be able to hear alarms, emergency signals, cries for help, and answer/communicate clearly via radio and/or telephone. • Distinguish changes in tone and pitch such as in listening to patients breathing characteristics. • Able to hear and interpret communication in stressful situations such as when more than one person is talking at a time, or when they are talking in a loud voice.
Gross and fine motor abilities sufficient to provide safe and effective care.	<ul style="list-style-type: none"> • Calibrate and use equipment such as reading numbers on measuring cups, syringes and adjusting flow rates with oxygen equipment. • Maintain sterile technique when performing sterile procedures. • Hold skin taut with one hand while inserting needle in skin or vein with the other hand and perform other procedures requiring the use of two hands. • Maintain immobilization devices such as traction equipment and casts, feel for heat or wetness. Be able to use a computer keyboard. • Have good eye-hand coordination and manual dexterity to manipulate equipment, instrumentation, and medication as appropriate.

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Tactile ability sufficient for physical assessment and intervention	<ul style="list-style-type: none"> • Palpation related to physical examination. • Perform therapeutic intervention (example-supraglottic airway insertion).
Physical abilities sufficient to move from room to room, maneuver in small spaces, and accommodate stairwell when necessary.	<ul style="list-style-type: none"> • Move around in patient's rooms, workspaces and treatment rooms. • Perform physical activities necessary to do basic skills such as put on sterile gloves, attach blood pressure cuff on patient's arm, hold one part of a patient's body while performing an action on another part of the body. • Provide or assist with activities of daily living such as bed bath, oral hygiene, and positioning patients. • Transport and transfer patients from various areas to other areas using stretchers, wheelchairs, walkers. Must be able to walk and crawl in less than ideal conditions and terrain. • Ability to withstand varied environmental conditions such as extreme heat, cold, or moisture is vital. The ability to work in low light, confined spaces, and other dangerous environments is required. • Must safely lift 125 lbs. independently or 250 lbs. with assistance. • Respond quickly in an emergency. • Able to stand or walk for 75% of a shift. • Gather a minimum of 3-4 pieces of equipment and carry to client's location.
Visual abilities sufficient for observation and assessment necessary in EMS care.	<ul style="list-style-type: none"> • Read numbers on dials, thermometers, gauges, measuring cups, etc. • Distinguish changes in color, size, and continuity of body parts. • Distinguish alterations in normal body activities such as breathing patterns, level of consciousness. • Observe safely features in environment such as water on the floor, obstacles in the path of patient. • Observe nonverbal responses of patients, families, bystanders, or coworkers. • Read and comprehend small English print (such as manuals or maps.) • Perform basic EMS skills (such as insertion of a suction catheter, counting respirations, preparing and giving medications.)
Demonstrate accountability and responsibility in all aspects of practice.	<ul style="list-style-type: none"> • Able to distinguish right from wrong, legal from illegal and act accordingly. • Accept responsibility for own actions. • Able to comprehend ethical standards and agree to abide by them. • Demonstrate flexibility. • Show concern for others.

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