

PROGRAM:



The Emergency Medical Services Program at Lansing Community College offers a Basic Emergency Medical Technician Program. LCC's program results in a well-educated Basic EMT, providing education beyond the Basic EMT minimum requirements. Lansing Community College offers three avenues for obtaining EMT licensure:

Basic Emergency Medical Technician, Certificate of Completion is a 14 credit, five course cohort program. State licensing is required. State licensing is performed through the State of Michigan Department of Community Health, EMS Division. A written exam is offered by the National Registry of EMT's and must be taken for licensure. The EMT program is a required prerequisite to the Paramedic Program. There are three options to complete the Basic Emergency Medical Technician Program:

- **Option One:** This **evening** option spread five courses over two semesters beginning each fall semester. Students enroll in EMTA 101 and EMTA 102 concurrently during fall semester and, EMTA 103, EMTA 104 and EMTA 112 concurrently during spring semester. These sections are generally offered in the evening and best fit those individuals working full time. EMTA 101 and EMTA 102 must be successfully completed with a 3.0 or better for the student to be eligible for enrollment in second semester. Classes are offered on Tuesday and Wednesday evenings from 6:00 p.m. to 10:00 p.m. with EMTA 112 on Monday evening and ambulance ride along scheduled on weekends.
- **Option Two:** This **daytime** option allows completion of the full EMT program and hospital clinical within one semester. Students may choose either fall or spring semester with courses running 16 weeks, in this format, the student must enroll in EMTA 101, EMTA 102, EMTA 103, EMTA 104 and EMTA 112 concurrently. EMTA 101 and EMTA 102 must be successfully completed with a 3.0 or better before the student can continue into EMTA 103, EMTA 104 and EMTA 112 during the second half of the semester. Classes are scheduled Monday – Thursday from 8:00 a.m. to 12:00 p.m. with EMTA 112 scheduled Thursday afternoon from 1-3. Ambulance ride along experience is scheduled on Fridays. Additional clinical time is required.
- **Option Three:** This is a fast paced 8-week semester during the summer semester. Students must enroll in EMTA 101, EMTA 102, EMTA 103, EMTA 104 and EMTA 112 concurrently. EMTA 101 and EMTA 102 must be successfully completed with a 3.0 or better before the student can continue into EMTA 103, EMTA 104 and EMTA 112 during the second half of the semester. Classes are offered Monday – Friday from 8:00 a.m. to 5:00 p.m. with one hour lunch break from 12:00 p.m - 1:00 p.m.

The EMT student must be 18 years old and have a Reading level 5 and a Writing level 6 **PLUS** A current **CPR card**. This can be done by passing EMSB 102 or EMSB 103 within 1 year **OR** one of the following:

- a. a Basic Life Support for Health Care Provider card from the American Heart Association within 1 year **OR**
- b. a CPR for Professional Rescuers card from the American Red Cross within 1 year.

Departmental Approval to ensure that the student has done an **ICHAT Criminal Background Investigation** completed through **www.michigan.gov/ichat**. Student must submit documentation from ICHAT to the EMS office to receive **department approval**. The EMS office is located in the Health & Human Services Building, Room 324.

For further information contact the Emergency Medical Service Program at 517-483-1958 or the Public Service Careers Department at 517-483-1570.

9/9/2009



PUBLIC SERVICE CAREERS DEPARTMENT EMERGENCY MEDICAL TECHNICIAN (EMT)

PHYSICAL GUIDELINES FOR STUDENTS:

Students must be able to do:

1. **STRENGTH:** Perform physical activities requiring ability to push/pull objects more than 50 pounds and to transfer objects of more than 100 pounds.
2. **MANUAL DEXTERITY:** Perform motor skills such as standing, walking, and writing; manipulative skills requiring eye-hand coordination and arm-hand steadiness such as insertion of intravenous lines, intubation, and taking blood pressure.
3. **COORDINATION:** Perform body coordination such as walking, running, climbing stairs, retrieving equipment and moving patients from the floor/bed/chair to a cot.
4. **MOBILITY:** Physical abilities to maneuver in small spaces (ambulance) and treatment areas. Ability to walk, stand, kneel, stoop, and to be in prolonged uncomfortable positions.
5. **VISUAL ABILITY:** See objects far away, see objects close and to discriminate colors. Visual ability must be sufficient for driving an ambulance and for observation and assessment necessary in patient care. Students will perform such skills as reading monitors, detecting a patient's color, checking pupils, and reading medication labels.
6. **HEARING:** Be able to hear normal sounds with background noise and distinguish sounds sufficient to monitor and assess health needs. Necessary activities include hearing monitor alarms, emergency signals, listening to breath sounds, and hearing radio transmissions.
7. **CONCENTRATION:** Concentrate on details with moderate amount of interruptions.
8. **ATTENTION SPAN:** Attend to task/functions for periods up to 60 minutes in length and to attend to task/functions for periods exceeding 60 minutes in length.
9. **CONCEPTUALIZATION:** Understand and relate to specific ideas, concepts, and theories generated and simultaneously discussed.
10. **MEMORY:** Remember task/assignments over both short and long periods of time and recall theory and skills information in clinical and simulation situations throughout the program.
11. **CRITICAL THINKING:** Apply the theory taught in lecture courses in simulations and clinical. Ability must be sufficient for clinical judgment in patient care.
12. **INTERPERSONAL:** Interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds. Must be able to establish rapport with patients, colleagues, faculty, and professional staff.
13. **SUBSTANCE ABUSE:** No evidence of current alcohol or drug abuse.

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PUBLIC SERVICE CAREERS DEPARTMENT EMERGENCY MEDICAL TECHNICIAN (EMT)

ENVIRONMENTAL CONDITIONS:

As EMS student you will be exposed to a variety of substances within the work environment, hospital sites, and ambulance agencies. You can expect exposure to weather changes, blood, body tissues, and fluids. There is the potential of exposure to electrical hazards, hazardous waste materials, radiation, poisonous substances, and chemicals, loud or unpleasant noises. Weekly clinical rotations at hospitals and EMS agencies result in frequent exposure to high stress emergency situations.

Students will be required to complete a mandatory on-line OSHA Blood-Borne Pathogen Universal Precautions program and HIPAA presentation.

CAREER FACTS:

WHAT THEY DO:

Emergency Medical Technicians (EMTs) typically are dispatched to the scene of an incident by a 911 operator and often are themselves-police and/or fire officers. Once they arrive, they determine the nature and extent of the patient's condition and try to ascertain whether the patient has preexisting medical problems. Following strict rules and guidelines, they give appropriate emergency care and, when necessary, transport the patient. Emergency treatments for more complicated problems are carried out under the direction of physicians by radio preceding or during transport.

NATURE OF WORK:

The EMT is trained to care for patients on accident scenes and on transport by ambulance to the hospital under medical directions. The EMT has the emergency skills to assess a patient's condition and manage respiratory, cardiac, trauma and many medical emergencies.

Most career EMTs work in metropolitan areas. There are many more volunteer EMTs in smaller cities, towns, and rural areas. They volunteer for fire departments, emergency medical services, or hospitals and may respond to only a few calls for service per month, or may answer the majority of calls, especially in smaller communities.

EMPLOYMENT PROSPECTS:

Employment of emergency medical technicians and paramedics is expected to grow 20-35 percent through 2010. Population growth and urbanization will increase the demand for full-time paid EMTs rather than for volunteers. In addition, a large segment of the population-the aging baby boomers-will further spur demand for EMT services, as they become more likely to have medical emergencies.

To practice in the state of Michigan, individuals must pass a written certification prescribed by the National Registry and administered by the Michigan Department of Consumer and Industry Services, EMS Division. Upon successful completion of this exam, the individual may apply for Michigan licensure as a Basic EMT. The license must be renewed every three years

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9/9/2009



PUBLIC SERVICE CAREERS DEPARTMENT EMERGENCY MEDICAL TECHNICIAN (EMT)

SKILLS YOU NEED:

EMT's and paramedics are required to have physical and emotional strength and stamina, as well as skills in interpersonal relationships, effective communication and critical thinking. Students must have a high school diploma or GED and complete the educational requirements set forth by the Michigan Department of Consumer and Industry Services, EMS Division.

EXPECTED EARNINGS:

Earnings for EMTs depend on the employment setting and geographic location as well as the individual's training and experience. The average salary for an EMT is \$14,000-\$18,000, but tends to be more in fire services or hospitals.

Admissions to the EMT program will be denied if an individual is precluded from proving clinical privileges due to a criminal record pursuant to MCL 333.20173a.

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9/9/2009



**PUBLIC SERVICE CAREERS DEPARTMENT
EMERGENCY MEDICAL TECHNICIAN (EMT)**

APPROXIMATE COST SHEET:

TUITION: Tuition is payable at the time of registration for each semester.	
Fall 2009 (per billing hour)	
In-district.....	\$ 73.00
Out of district.....	\$ 134.00
Out of state/International.....	\$ 201.00

EMT Certificate of Completion – Curriculum Code #1018

REGISTRATION FEES	
Registration Fee (\$25.00/semester)	\$50.00
Facilities Fee (\$5.00 per Billable Hour)	<u>\$100.00</u>
Total Registration Fees	\$150.00

COURSE	CREDITS	BILLING HOURS BH X Tuition Rate = Tuition Due	COURSE FEES
EMTA 101 - Basic EMT I	4.00	4.00	20.00
EMTA 102 - Basic EMT II	2.00	4.00	176.00
EMTA 103 - Basic EMT III	4.00	4.00	20.00
EMTA 104 - Basic EMT IV	2.00	4.00	171.00
EMTA 112 - Basic EMT Clinical	3.00	6.00	182.00
Total Course Fees	15.00	22.00	569.00

ADDITIONAL COSTS: PRICES SUBJECT TO CHANGE

The following **MUST** be purchased from the EMS department: books, jump kit, supplies, and equipment. (Payable at cashiers in the Gannon Building). DO NOT purchase outside of class. Supplies will be handed out on first day of class with proof of purchase. \$450.00

Clinical uniform, pictured program id (Information handed out on first day of class)..... \$45.00

TOTAL COST (Registration Fees + Tuition + Course Fees + Miscellaneous)

Estimated total cost for a resident student..... \$2,820.00

Estimated total cost for a non-resident student..... \$4,162.00

Estimated total cost for an out-of-state & international student..... \$5,636.00

**Additional Course Requirements for Associate Degree and/or Special Interest
(students must also complete LCC CORE requirements for Associate Degree)**

BIOL 201– Human Anatomy AND	4.00	6.00	40.00
BIOL 202 - Human Physiology	4.00	5.00	40.00
EMTA 114 – Rescue/Extr./Dang. Sit.	3.00	5.00	190.00
CHSE 117 – Health Law & Ethics	2.00	2.00	16.00
WRIT 124 - Technical Writing	3.00	3.00	---
TOTALS	16.00	21.00	\$286.00

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9/9/2009



PUBLIC SERVICE CAREERS DEPARTMENT EMERGENCY MEDICAL TECHNICIAN (EMT)

The Fire Science/Basic EMT Associate in Applied Science Degree – Code 1057 combines the **Fire Academy** and **EMT Certificate of Completion**, core curriculum courses, and a limited number of choice courses. This degree will prepare the student for a career in firefighting and emergency medical services. This curriculum choice appeals to local fire service agencies that provide EMS care and transportation for the sick and injured in their communities.

Emergency Medical Services Associate in Applied Science Degree – Code 0276 is a 72 credit hour program including the completion of the **Basic EMT Certificate Program**, the **Paramedic Certificate Program**, core curriculum courses, and a limited number of choice courses. The degree will prepare the student to become a licensed Paramedic.

COURSES:

EMTA100 Medical First Responder 4 credits

Prerequisite: None

This course will provide the student with the knowledge and skills necessary to manage ill or injured victims at the scene of an emergency until the arrival of course personnel. Successful completion enables the student to apply for state licensure as a medical first responder. (F,Sp,Su)

EMTA101 Basic EMT I 4 credits

Prerequisite: Must be 18 years of age and Reading Level 5 and Writing Level 6

Co-requisite Course(s): EMTA102

First in a sequence of five courses to prepare the student as a basic EMT. Emphasis is placed on didactic material including airway management, patient assessment, CPR soft tissue injuries, head, chest, and abdominal injuries, and proper use of equipment in the delivery of basic emergency care. (F,Sp,Su)

EMTA102 Basic EMT II 2 credits

Prerequisite: None

Co-requisite Course(s): EMTA101

Second in a sequence of five courses to prepare the student as a Basic EMT. Emphasis is placed on practical skills including patient assessment, bandaging, splinting, back boarding, oxygen delivery equipment, CPR, and airway management in the delivery of basic emergency care. (F,Sp,Su)

EMTA103 Basic EMT III 4 credits

Prerequisite: Minimum 3.0 in (EMTA101 and EMTA102)

Co-requisite Course(s): EMTA104 and EMTA112

The third in a sequence of five courses to prepare the student as a Basic EMT. Emphasis is placed on didactic material including the recognition and management of environmental and medical emergencies; verbal, written and radio communications; triage, emergency childbirth; and pediatric emergencies. (F,Sp,Su)

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PUBLIC SERVICE CAREERS DEPARTMENT EMERGENCY MEDICAL TECHNICIAN (EMT)

EMTA104 Basic EMT IV 2 credits

Prerequisite: Minimum 3.0 in (EMTA101 and EMTA102)

Co-requisite Course(s): EMTA103 and EMTA112

The fourth course in a sequence of five to prepare the student as a Basic EMT. Emphasis is placed on the overall delivery of basic emergency care through simulated emergencies. Successful completion of this course and EMTA101, EMTA102, EMTA103, and EMTA112 enables the student to apply for licensing as a Basic EMT. (F,Sp,Su)

EMTA112 Basic EMT Clinical 3 credits

Prerequisite: Minimum 3.0 in (EMTA101 and EMTA102)

Co-requisite Course(s): EMTA103 and EMTA104

The fifth course in a sequence of five to prepare the student as a basic EMT. Includes required OSHA standards, hospital clinicals, ambulance clinicals, and a community service component. Classroom time enhances assessment, history taking skills, and report writing. (F,Sp,Su)

EMTA114 Rescue/Extrication/Dangerous Situations 3 credits

Prerequisite: None

A course to provide EMS or rescue personnel with skills in light and heavy vehicle extrication, industrial rescue techniques, extrication from farm machinery, and other specialized rescue techniques. Emphasis is placed on patient and rescuer safety. (F,Sp)

EMTA115 First Aid and CPR 2 credits

Prerequisite: None

This course is designed to provide the knowledge and skills necessary to respond to and treat emergency situations until professional medical help is obtained. First aid and CPR certificates are issued upon successful completion of the course. (F,Sp,Su)

EMTA222 EMS Instructor Coordinator 6 credits

Prerequisite: 3 years field experience and Department Approval

A State of Michigan approved course for EMS personnel interested in becoming an EMS instructor coordinator. Includes teaching and testing methods, lesson plan development, writing performance objectives, course administration, State of Michigan application process for course approval, and meeting other State-mandated requirements. Student teaching is required. (Su)

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