

**STANDARDIZED E.M.S.
CONTINUING EDUCATION CREDITS
GUIDE**

**Michigan Department of
Community Health**

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**INSTRUCTOR/COORDINATOR GUIDE TO
STANDARDIZED CONTINUING EDUCATION CREDITS**

Each of the following standardized courses has been pre-approved by MDCH for EMS continuing education credits. Instructor/Coordinators do not need to complete a Notification of Intent to Conduct Continuing Education Program Form (BHPPA-EMS 202) for the courses listed.

To be included in this guide, a program must be presented frequently in Michigan, be presented consistently every time from a published curriculum and have a state or national organization which sponsors it, provides oversight, and issues a standardized certificate or card.

If audited for continuing education credits at the time of license renewal, EMS providers must submit to MDCH a copy of the course certificate, card, or other attendance documentation which includes course date and instructor signature.

Format for Credit Distribution

The new matrix will display new category areas along side of the old topic titles. Credits are listed as either a lecture credit or practical credit. The total of the lecture column and practical credit column should be added together for the course total credits.

EXAMPLE:

Category	Topic	MFR		EMT		Specialist		Paramedi	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy						1		1
Patient Assessment	Pt. Assessment/Triage		1		1		1		1
Airway/Ventilation	Airway Basic		1		1		1		1
	Airway Advanced						1		1
Medical	Respiratory	1		1		1		1	
Trauma	Shock	1		1		1		1	
	Musculoskeletal	1		1		1		1	
Special	Pediatrics	1		1		1		1	
Operations	Rescue/Extrication		1		1		1		1
TOTAL CREDITS		4	3	4	3	4	5	4	5

This example shows MFR providers will earn 4 lecture credits and 3 practical credits for attending this course.

Please refer to the Conversion Documents in the Appendix to determine what new category relates to the old topic titles.

Advanced Cardiac Life Support (ACLS)

This comprehensive course, sponsored by the American Heart Association, covers all phases of emergency cardiac care. Emphasis is on early recognition of dysrhythmias, electrical therapy, pharmacologic treatment, and stabilization of patients. Two year certification.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Pharmacology							1	
Airway/Ventilation	Airway Advanced								1
Medical	Cardiovascular							1	1
TOTAL CREDITS								2	2

NOTE:

1. EMS personnel can receive the above credits each time they participate in ACLS, whether certification or recertification.
2. Persons attending an ACLS course where the I/C has applied for additional credits must sign the attendance roster and maintain documentation of approved credits. The ACLS card is good for the pre-approved credits and the credit slip is good for the additional approved credits.
3. **On-line ACLS courses do not receive credit**

Advanced Cardiac Life Support Instructor Course (ACLS)

American Heart Association course to certify ACLS instructors.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Pharmacology							1	
Airway/Ventilation	Airway Basic							1	1
	Airway Advanced							1	1
Medical	Cardiovascular							2	1
TOTAL CREDITS								5	3

I/C's will also receive the following credits:

Instructor Coordinator Topics	Credits
Instructional Techniques	3
Measurement & Evaluation	2
Education Administration	2

Advanced Disaster Life Support

This two-day course was developed by the National Disaster Life Support Educational Consortium. This course is a comprehensive mass casualty management program allowing participants to demonstrate competency in casualty documentation, essential skills lab, all-hazards training scenarios, and MCI information systems and technology applications. A certificate of successful completion is required to receive credits. Certification given by American Medical Association, National Disaster Life Support Education Consortium.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Medical legal	.5		.5		.5		.5	
Preparatory	Patient Handling		1		1		1		1
Preparatory	Pharmacology	1	.5	1	.5	1	.5	1	.5
Medical	Patient Simulation		2		2		2		2
Patient Assessment	Assessment		1		1		1		1
Patient Assessment	Communications	.5	3	.5	3	.5	3	.5	3
Operations	Disaster Planning	3.5		3.5		3.5		3.5	
Operations	CBRNE – PPE		2		2		2		2
TOTAL CREDITS		5.5	9.5	5.5	9.5	5.5	9.5	5.5	9.5

Hazmat for EMS part 1 and part 2

These topics are actually two (2), three day courses. Each course covers cellular function, and biomolecules, salts, chemistry and toxicology of non-salts, toxic inhalations, pesticides, corrosives, hydrocarbons, hydrocarbon derivatives, and miscellaneous toxicants. It includes lectures, case studies, and hands on, practical skills scenarios. Based upon longer courses offered by the National Fire Academy and Arizona State University, these courses go a step further with the practical skills scenarios. Chemistry 1 is highly recommended as a prerequisite. This course is offered through the Michigan State Police and only a certificate from them is accepted for the CE's.

Level 1

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	A and P					2		2	
	IV therapy					2	1	2	1
Airway Management	Airway Mgmt.					2	1	2	1
Patient Assessment	Patient Assessment					2	1	2	1
Operations	Disaster Planning					2		2	
	HazMat					2	1	2	1
TOTAL CREDITS						12	4	12	4

Level 2

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	A and P					2		2	
	IV therapy					2	1	2	1
Airway Management	Airway Mgmt.					2	1	2	1
Patient Assessment	Patient Assessment					2	1	2	1
Operations	Disaster Planning					2		2	
	HazMat					2	1	2	1
TOTAL CREDITS						12	4	12	4

Advanced HazMat Life Support

This two-day course was developed by the Arizona Emergency Medicine Research Center, University of Arizona. It covers toxic inhalations, pesticides, corrosives, hydrocarbons, and miscellaneous toxicants. It includes lectures, case studies, and a mandatory exam. www.ahls.org This course also sponsored by the National Fire Academy and Michigan State Police

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	Respiratory	2		2		2		2	
	Environmental	2		2		2		2	
Operations	Disaster Planning	3		6		6		6	
	HazMat	3		6		6		6	
TOTAL CREDITS		10		16		16		16	

Advanced Medical Life Support

This two day course prepares the provider to manage medical complaints of the adult patient. Certificate sponsored by NAEMT and NAEMSP.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	2	1	2	1	2	1	2	1
Airway/Ventilation	Airway Basic	1		1		1		1	
Medical	Respiratory	1	1	1	1	1	1	1	1
	Abdominal Illness	1	1	1	1	1	1	1	1
	CNS Illness	2	1	2	1	2	1	2	1
Trauma	Shock	2	1	2	1	2	1	2	1
TOTAL CREDITS		9	5	9	5	9	5	9	5

Advanced Pediatric Life Support (APLS)

This course was designed by a joint committee of pediatric experts from the American College of Emergency Physicians and the American Academy of Pediatrics. The goal of this two-day course is to provide exposure to the full spectrum of pediatric emergencies to practitioners who treat children. Certificate of completion from American Academy of Pediatrics.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	A & P			1		1		1	
	IV Therapy					1		1	
	Pharmacology							1	
Airway/Ventilation	Airway Advanced					1		1	
Medical	Cardiovascular Basic			1		1			
	Cardiovascular Advanced							1	
	Respiratory			1		1		1	
	CNS Illness			1		1		1	
	Diabetic Emergencies			1		1		1	
Trauma	Shock			1		1		1	
Special Consideratio	Pediatrics			2		2		2	
TOTAL CREDITS				8		10		11	

Advanced Stroke Life Support –(ASLS)

This course addresses the prehospital, emergency department, and stroke unit management of patients with acute stroke. Using interactive discussions, hands-on workshops, multimedia (computerized video clips) and standardized patients ((instructors that act out and simulate different stroke syndromes), the course includes a discussion of the differential diagnosis of stroke, rapid recognition of five major stroke syndromes, training in the use of the Miami Emergency Neurologic Deficit (M.E.N.D.) exam (based on the National Institutes of Health Stroke Scale and incorporating the Cincinnati Prehospital Stroke Scale), education regarding the use of thrombolytic therapy in acute ischemic stroke patients, and a detailed discussion of the acute care of stroke patients in the hospital, including prevention of medical complications, rehabilitation in the acute setting, the diagnostic evaluation, secondary stroke prevention strategies, and discharge planning for the patient and family. This course is appropriate for both new and experienced providers, particularly nurses and physicians who work in the emergency departments, stroke unit, and stroke-unit equivalents. 16 hrs. Certificate through University of Miami Gordon Center for Research in Medical Education.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	CNS Illness	5	1	5	1	5	1	5	1
Patient	Patient Assessment		2		2		2		2
TOTAL CREDITS		5	3	5	3	5	3	5	3

Instructor Coordinator Topics	Credits
Instructional Techniques	5
Measurement & Evaluation	2
Education Administration	1

Advanced Trauma Life Support (ATLS)

This course is designed for physicians and sponsored by the American College of Surgeons. Prehospital treatment is not emphasized in this course. Currently, the American College of Surgeons only issues ATLS Provider Certification to physicians. Certification is four years for physicians. Non-physician personnel can audit the course. No certification for non-physicians.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy					1		1	
Patient Assessment	Pt. Assessment					1		1	
Airway/Ventilation	Airway Advanced					1		1	
Medical	Respiratory					1		1	
Trauma	Shock					1		1	
	Spinal Injury/Backboarding					1		1	
	Burns					1		1	
	Abdominal Injury					1		1	
	CNS Injury					1		1	
	Musculoskeletal					1		1	
	Chest Injury					1		1	
TOTAL CREDITS						11		11	

Advanced Trauma Care for Nurses (ATCN)

This course for nurses is taught concurrently with the ATLS course for physicians. It is sponsored by the Society of Trauma Nurses, MI Committee on Trauma, and American College of Surgeons. It presents a comprehensive approach to the injured patient, including physiologic concepts, ethics, and principles of trauma system development.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment			1	2	1	2	1	2
Airway/Ventilation	Airway Basic			1	1	1	1	1	1
Trauma	Shock			1	1	1	1	1	1
	CNS Injury			1	1	1	1	1	1
	Spinal Injury/Backboarding				1		1		1
	Abdominal Injury			1		1		1	
	Musculoskeletal Injury			1		1		1	
Special	Geriatrics			1		1		1	
	Pediatrics				1		1		1
TOTAL CREDITS				7	7	7	7	7	7

Advanced Assessment & Treatment of Trauma (ATT) course

On-Site Module to enhance and expand trauma knowledge and skills through highly interactive small group scenarios and hands-on skill stations. Participants will learn from group interaction, support, and guidance. 8 hrs. Certificate provided by AAOS.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling					1		1	
Patient Assessment	Patient Assessment					.5	2	.5	2
Trauma	Burn Trauma					1	2.5	1	2.5
Airway/Ventilation	Airway and Ventilation					.5	.5	.5	.5
Special	Special Populations						.5		.5
Operations	Mass Casualty Incidents					1	5	1	5
TOTAL CREDITS						4	6	4	6

Basic Cardiac Life Support Initial Certification and Re-certification

BCLS courses are offered by various agencies but must meet the standards set forth by the American Heart Association. The course must be designed for healthcare professionals. The BCLS Instructor card and BCLS Instructor Trainer card will take the place of a BCLS provider level card. The Department accepts American Heart Association, American Red Cross

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	Cardiac Basic		1		1		1	1	1
TOTAL CREDITS			1		1		1		1

The Advanced Burn Life Support (ABLS) Pre-Hospital Course

is an eight-hour course designed to provide paramedics, transport teams and emergency care personnel with the skills and information that will enable them to assess and stabilize the burn patient at the scene of an emergency in preparation for transport to the nearest appropriate emergency facility. The Pre-Hospital ABLS addresses: Medical Control, Scene Safety, Multiple Casualties, Initial Assessment, Smoke Inhalation Injury, Circulation, Electric Injury, Chemical Injury, and Pediatrics. Certification through the Advanced Burn Association.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	.5		.5		.5		.5	
Airway/Ventilation	Airway Management	.5		.5		.5		.5	
Trauma	Fluid Shock	.5		.5		.5		.5	
Trauma	Chemical Injuries	.5		.5		.5		.5	
Trauma	Wound Management	.5		.5		.5		.5	
Trauma	Electrical Injuries	.5		.5		.5		.5	
Operations	Disaster Management	.5		.5		.5		.5	
Special	Pediatrics	.5		.5		.5		.5	
Trauma	Burns / Moulage		2		2		2		2
TOTAL CREDITS		4	2	4	2	4	2	4	2

Advanced Wilderness Life Support

AWLS certification is appropriate for any licensed medical professional or medical professional in training who has an interest in wilderness activities (MD, PhD, PA, NP, RN, Paramedic, EMT. This includes specialized medical professionals who may not see emergency care or general practice responsibilities on a day-to-day basis (i.e.: podiatrist, OBGYN). Our graduates include outdoor enthusiasts, expedition participants, US Army and other military medical personnel, wilderness medicine academicians, and Wilderness Medical Society Fellowship candidates. **3 day course.** Wilderness Medicine Certification for Medical Professionals.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	2.5		2.5		2.5		2.5	
Medical	Communicable Disease	1	3.5	1	3.5	1	3.5	1	3.5
Patient Assessment	Patient Assessment/Triage	2	.5	2	.5	2	.5	2	.5
Special	Geriatrics	1	2	1	2	1	2	1	2
Trauma	CNS Injuries	2.5	1.5	2.5	1.5	2.5	1.5	2.5	1.5
Operations	Rescue/Extrication	1.5		1.5		1.5		1.5	
TOTAL CREDITS		10.5	7.5	10.5	7.5	10.5	7.5	10.5	7.5

AHA Core Instructor Course/ARC Instructor Course

The American Heart Association Instructor Course (as well as the American Red Cross instructor Course) used as an entry course for BLS, ACLS, and PALS Instructors.

Instructor Coordinator Topics	Credits
Instructional Techniques	4
Measurement & Evaluation	3
Education Administration	1

AHA BLS Instructor Course (Initial only)

This is an American Heart Association Course which is taken after completion of the AHA Core Instructor Course. This course prepares the Instructor to teach within the AHA BLS Course. Certification is for 2 years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	Cardiac Basic	2	2	2	2	2	2	2	2
Special Considerations	Pediatrics		1		1		1		1
TOTAL CREDITS								2	3

Instructor Coordinator Topics	Credits
Instructional Techniques	1
Measurement & Evaluation	2
Education Administration	2

Basic Disaster Life Support

Identify the critical need to establish healthcare preparedness for disasters. Define “All Hazards” and list the possibilities. Define “Disaster” and “Mass Casualty Incident”(MCI). Identify the components of the DISASTER paradigm. Identify and apply the BDLS triage model of “MASS” and “ID ME”. Describe the differences between BDLS and ADLS. 8 hours. **Classroom participation only** Certification from the National Disaster Life Support Education Consortium via American Medical Association.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Pt. Assessment	Pt. Assess	0.5		.5		.5		.5	
Operations	Disaster Planning	2.5		2.5		2.5		2.5	
Trauma	Burns	.5		.5		.5		.5	
Trauma	Biological Events	.5		.5		.5		.5	
Preparatory	Injury prevention, pt.	3		3		3		3	
Medical	Poisons	1		1		1		1	
TOTAL CREDITS		8		8		8		8	

CBRNE/WMD Defensive Operations

This 16-hour course, recommended for Law Enforcement, is a CBRNE Mission Specific, Operations Level course focusing on the special challenges responders face dealing with a WMD (CBRNE) or terrorist incident. This course meets all competencies identified for WMD response in the revised 2007 NFPA 472 standard, Chapter 5.

Participants will learn how to respond to a CBRNE incident in a defensive mode. Concentrating on the characteristics of these materials, responders will be able to prevent the spread of the hazard to the public and environment. The CBRNE Defensive Operations course will provide the tools necessary to respond safely and effectively to CBRNE incidents. This course also includes an assessment of a mass casualty incident, emergency decontamination, mass decontamination, and the ability to determine downwind hazards. This course is sponsored by the Michigan State Police.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury Prevention	1		1		1		1	
Patient Assessment	Communications	1	1	1	1	1	1	1	1
Airway/Ventilation	Airway	1	1	1	1	1	1	1	1
Medical	Poisons	1		1		1		1	
	Environmental	1		1		1		1	
Operations	Hazardous Materials	1	1	1	1	1	1	1	1
	Disaster Planning	2		2		2		2	
	EMS Systems Operations	1		1		1		1	
TOTAL CREDITS		9	3	9	3	9	3	9	3

CBRNE/WMD Awareness (AWR-160)

Developed by the National Domestic Preparedness Consortium (NDPC), this WMD Awareness course is a six-hour training program providing emergency responders with awareness-level instruction about recognition, avoidance, isolation, and notification techniques in a weapon of mass destruction (WMD) environment. This course covers the strategies of prevention, deterrence, and identification of potential terrorist acts, as well as targets, and chemical, biological, radiological, nuclear, and explosive (CBRNE) hazards. 8 Hrs. Certificate by NDPC.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury Prevention	1		1		1		1	
Patient Assessment	Communications	1	1	1	1	1	1	1	1
Airway/Ventilation	Airway	.5	.5	.5	.5	.5	.5	.5	.5
Medical	Poisons	1		1		1		1	
Operations	Hazardous Materials	1	1	1	1	1	1	1	1
	Disaster Planning	.5		.5		.5		.5	
	EMS Systems Operations	.5		.5		.5		.5	
TOTAL CREDITS		5.5	2.5	5.5	2.5	5.5	2.5	5.5	2.5

CBRNE/WMD Radiological/Nuclear Awareness

This course is an ODP certified training course which is a weapons of mass destruction (WMD) radiological/nuclear overview designed for first responders and other personnel likely to be the first to arrive on the scene of a radiological/nuclear incident. This course focuses on the basics of radiation, possible health effects, hazard identification, and proper notification procedures. The course consists of classroom instruction by United States Department of Homeland Security, Office of Domestic Preparedness certified instructors. 8 hrs. Certificate by ODP.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury Prevention	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Medical	Poisons	1		1		1		1	
	Environmental	1		1		1		1	
Operations	Hazardous Materials	1		1		1		1	
	Disaster Planning	2		2		2		2	
	EMS Systems Operations	1		1		1		1	
TOTAL CREDITS		8		8		8		8	

CBRNE Defensive Operations for Healthcare Professionals

This sixteen hour classroom course sponsored by Michigan State Police Emergency Management and Homeland Security Training Center provides comprehensive knowledge for a multi-casualty emergency using an all hazard approach to patient care addressing: Decontamination, Pre-Hospital Trauma Triage, Pre-Hospital Decontamination Triage, Treatment, Transport, and Hospital Pre-Decontamination Triage, Decontamination, Post Decontamination Triage, Post Decontamination emergency care and definitive care. Certificate by MSP.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Medical / Legal	1		1		1		1	
	BSI / PPE		2		2		2		2
	Pharmacology	1		1		1		1	
	Patient Handling		1		1		1		1
Patient Assessment	Communications		1		1		1		1
	Patient Assessment		1		1		1		1
Medical	Radiological	1		1		1		1	
	Toxicology	1		1		1		1	
Trauma	Soft Tissue Injuries	1		1		1		1	
Special	Geriatrics	1		1		1		1	
	Pediatrics		1		1		1		1
Operations	Hazardous Materials	1		1		1		1	
	Disaster Planning	1		1		1		1	
	ICS		1		1		1		1
	Triage		1		1		1		1
TOTAL CREDITS		8	8	8	8	8	8	8	8

CBRNE/WMD Defensive Operations for Health Care Professionals Train-the-Trainer

This eight-hour course includes materials covered in the CBRNE/WMD Defensive Operations for Health Care Professionals course, but is taught at a pace for people who will be instructing their own staff. Also covered will be suggestions about presenting the course material. This course is geared for people who already have training skills and are presently instructors. Hours: 8 Certificate by MSP.

Instructor Coordinator Topics	Credits
Instructional Techniques	3
Measurement & Evaluation	2
Education Administration	2

Center for Domestic Preparedness Pandemic Influenza Planning and Preparedness

The PIPP course provides responders with the knowledge to effectively plan and prepare for a pandemic influenza event. The training provided at the Center for Domestic Preparedness(CDP) is guided by the definitions and competencies provided within the National Response Framework (NRF), the National Strategy for Pandemic Influenza (NSPI), and the HHS’ Pandemic Influenza Plan (PIP). 30 hrs. Certificate from CDP.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
Preparatory	Communicable Disease	3	4	3	4	3	4	3	4
Operations	Disaster Planning	7	3	7	3	7	3	7	3
Operations	EMS Systems Operation	2		2		2		2	
TOTAL CREDITS		13	7	13	7	13	7	13	7

Difficult Airway Course: EMS

This 2 day course is an advanced airway course for EMS providers. The course is designed for Paramedics, Nurses, Respiratory Therapists and other clinicians tasked with emergency airway management. *Air & Surface Transport Nurses Association will provide a certificate of completion.* There are no prerequisites for this class

Category	Topic	MFR		EMT		Specialist		Paramedi	
		L	P	L	P	L	P	L	P
Airway	Airway BLS							2	
Airway	Airway ALS							2	
Airway/Ventilation	Airway Basic								2
	Airway Advanced								2
Medical	Respiratory							1	1
Trauma	Shock							1	1
Pt. Assessment	Pt. Assessment							1	1
Special	Pediatrics							1	1
TOTAL CREDITS								8	8

HERT: Hospital Emergency Response Training

This sixteen hour classroom course sponsored by the Center for Domestic Preparedness provides comprehensive knowledge for a multi-casualty emergency using an all hazard approach to patient care addressing: Decontamination, Pre-Hospital Trauma Triage, Pre-Hospital Decontamination Triage, Treatment, Transport, and Hospital Pre-Decontamination Triage, Decontamination, Post Decontamination Triage, Post Decontamination emergency care and definitive care. Certification via CDP.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Medical / Legal	1		1		1		1	
	BSI / PPE		2		2		2		2
	Pharmacology	1		1		1		1	
	Patient Handling		1		1		1		1
Patient Assessment	Communications		1		1		1		1
	Patient Assessment		1		1		1		1
Medical	Radiological	1		1		1		1	
	Toxicology	1		1		1		1	
Trauma	Soft Tissue Injuries	1		1		1		1	
Special	Geriatrics	1		1		1		1	
	Pediatrics		1		1		1		1
Operations	Hazardous Materials	1		1		1		1	
	Disaster Planning	1		1		1		1	
	ICS		1		1		1		1
	Triage		1		1		1		1
TOTAL CREDITS		8	8	8	8	8	8	8	8

HERT Train-the-Trainer

Instructor Coordinator Topics	Credits
Instructional Techniques	3
Measurement & Evaluation	2
Education Administration	2

CBRNE Technician Technical Emergency Response Training

This three day classroom course sponsored by Michigan State Police Emergency Management and Homeland Security Training Center provides technician level response preparedness to a terrorist event.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Stress Management	1		1		1		1	
Patient Assessment	Patient Assessment	1		1		1		1	
	Communications	1		1		1		1	
Medical	Poisons	1		1		1		1	
Operations	Hazardous Materials	4		4		4		4	
	Disaster Planning	3		3		3		3	
	EMS Systems Operations	2		2		2		2	
TOTAL CREDITS		13		13		13		13	

Child Death Review Team Training

The goal of the two-day training program is to enhance participants’ understanding of child fatalities. The goal is also to develop skills in conducting comprehensive review of child fatalities. This program is presented by the Michigan Public Health Institute. Certificate issued by MPHI.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
	Communicable Diseases	1		1		1		1	
	Medical Legal	2		2		2		2	
	Stress Management	2		2		2		2	
Patient Assessment	Pt. Assessment	2		2		2		2	
Medical	Behavioral Emergencies	1		1		1		1	
Trauma	CNS Injuries	1		1		1		1	
Special	Pediatrics	3		3		3		3	
TOTAL CREDITS		13		13		13		13	

Clandestine Drug Labs - Awareness

This 4 hour course was developed for police, fire and EMS personnel as an introduction in how to recognize a clandestine drug lab, the dangers involved, and the importance of multi-agency cooperation when responding to a known or potential clandestine drug lab. Acceptable proof of completion is an Office of Firefighter Training certificate, Michigan Coalition on Law Enforcement Standards certificate.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	Environmental Emerg	1		1		1		1	
Operations	Disaster Planning	1		1		1		1	
	EMS Systems Operations	1		1		1		1	
	Hazardous Materials	1		1		1		1	
TOTAL CREDITS		4		4		4		4	

Coaching the Emergency Vehicle Operator (CEVO II , Ambulance or fire)

This course, organized by the National Safety Council, provides multi-media defensive driving training. Driving tactics covered in the course include vehicle inspection, driving in adverse weather, discussion of department policies, vehicle placement in traffic, the public’s reaction to emergency vehicles in traffic, safe return from a call, and rural, field, and off-road driving. This course meets the MDCH Agency Inspection requirement for department approved vehicle operation education and competency assessment **No Online training accepted.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Operations	Emergency Driving	2	3	2	3	2	3	2	3
	EMS Systems Operations	3		3		3		3	
TOTAL CREDITS		5	3	5	3	5	3	5	3

Core Disaster Life Support v 3.0

Part of the National Disaster Life Support series, this course is a competency-based, awareness-level course that introduces clinical and public health concepts and principles for the management of disasters and public health emergencies. Certificate through Center for Operational Medicine.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Legal issues, preparedness	.5		.5		.5		.5	
Operations	Disaster management	3		3		3		3	
TOTAL CREDITS		3.5		3.5		3.5		3.5	

Critical Care Transport Course (CCEMT-P)

Offered through the University of Maryland - Baltimore County, the Critical Care Transport Program is designed to prepare nurses and paramedics to function as members of a critical care transport team. Participants will gain an understanding of the special needs of critical patients during transport, become familiar with the purpose and mechanisms of in-hospital procedures and equipment, and develop the skills to maintain the stability of the critical care patient during transport. Certification is three years, through UMBC.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Communicable Disease			2		2		2	
	IV Therapy				1		1		1
	Pharmacology			6		6		6	
Patient Assessment	Pt. Assessment/Triage			4	1	4	1	4	1
Airway/Ventilation	Airway Management			3	1	3	1	3	1
Medical	Cardiovascular			4	2	4	2	4	2
	Respiratory			4		4		4	
	Environmental Emergency			2		2		2	
Trauma	CNS Injury			5		5		5	
	Shock			2		2		2	
	Abdominal Injury			1		1		1	
	Burns			3		3		3	
	Chest Injury			1		1		1	
Special Considerations	Pediatrics			2		2		2	
	Geriatrics			1		1		1	
TOTAL CREDITS				40	5	40	5	40	5

COURSE: "Emergency Medical Care Module of Fire Fighter 1"

This 15 hour course is the prehospital emergency training module in a FF1 course. This course is taught through the Office of Fire Fighter Training. An OFFT instructor issued letter and certificate of course completion is required to obtain pre-approved credits.

Category	Topic	MFR		EMT		Specialist		Paramedi	
		L	P	L	P	L	P	L	P
Preparatory	Communicable Disease	1	1	1	1	1	1	1	1
Patient Assessment	Pt. Assessment/Triage	1	1	1	1	1	1	1	1
Airway/Ventilation	Airway Basic	1	1	1	1	1	1	1	1
Medical	Repiratory		1		1		1		1
Medical	Environmental Emer		1		1		1		1

Trauma	Burns		1		1		1		1
TOTAL CREDITS		3	6	3	6	3	6	3	6

Emergency Medical Priority Dispatch Program Recertification

This brief course provides a review and written examination. Certification through National Academies of Emergency Dispatch

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	1		1		1		1	
	Communications	1		1		1		1	
TOTAL CREDITS		2		2		2		2	

Emergency Medical Priority Dispatch Program Refresher-Advanced

This is an eight hour refresher program. Certification through National Academies of Emergency Dispatch.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Communications	1		1		1		1	
	Patient Assessment	1		1		1		1	
Medical	Respiratory	1		1		1		1	
	Behavioral Emergencies	1		1		1		1	
	Abdominal Illness	1		1		1		1	
Trauma	Shock	1		1		1		1	
	Bleeding/Soft Tissue	1		1		1		1	
	Chest Injury	1		1		1		1	
TOTAL CREDITS		8		8		8		8	

Emergency Medical Priority Dispatch

EMD National Standard Curriculum. This 24 hour class follows the NHTSA curriculum. Certification through National Academies of Emergency Dispatch.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	A&P	1		1		1		1	
	Medical/Legal	2		2		2		2	
Patient Assessment	Communications	2	1	2	1	2	1	2	1
	Patient Assessment	2	1	2	1	2	1	2	1
Airway	Airway Basic	2	1	2	1	2	1	2	1
Medical	Cardiac Basic	1	1	1	1	1	1	1	1
	Respiratory	1		1		1		1	
Trauma	Bleeding/Soft Tissue	1		1		1		1	
	Shock	1		1		1		1	
	Musculoskeletal	1		1		1		1	
Operations	EMS Systems Operations	3		3		3		3	
TOTAL CREDITS		17	4	17	4	17	4	17	4

Emergency Nursing Pediatric Course (ENPC)

This sixteen hour course is sponsored by Emergency Nurses Association. The curriculum is designed to provide a consistent standardized knowledge base including the psychomotor skills associated with the delivery of nursing care to the pediatric patient. Certificate through ENA.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
Patient Assessment	Patient Assessment	1	2	1	2	1	2	1	2
Airway/Ventilation	Airway Basic		1		1		1		1
Medical	Respiratory	1		1		1		1	
	Poisons	1		1		1		1	
	Behavioral Emergencies	1		1		1		1	
Trauma	Shock	1		1		1		1	
Special Considerations	Pediatrics	2	3	2	3	2	3	2	3
TOTAL CREDITS		8	6	8	6	8	6	8	6

Emergency Pediatric Course (EPC) formally Pediatric Pre-Hospital Care (PPC)

This one or two day course sponsored by the National Association of Emergency Medical Technicians offers a practical approach to pediatric emergencies utilizing lecture, scenarios, skill testing and a written exam. Certification is for two years, through NAEMT.

One day BLS course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment		1		1		1		1
Airway/Ventilation	Airway/O2 Basic		1		1		1		1
Medical	Cardiovascular - Basic	1		1		1		1	
	Respiratory	1		1		1		1	
Special	Pediatrics	2	2	2	2	2	2	2	2
TOTAL CREDITS		4	4	4	4	4	4	4	4

Two day ALS course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy						1		1
Patient Assessment	Patient Assessment			1	2	1	2	1	2
Airway/Ventilation	Airway/O2 Basic			1	1	1	1	1	1
Medical	Cardiovascular - Basic			1	1	1	1	1	1
Trauma	Shock			1		1		1	
Special	Pediatrics			5	2	5	2	5	2
TOTAL CREDITS				9	6	9	7	9	7

EPC Instructor Course

A four hour course for licensed I/C's:
Certificate through NAEMT.

Instructor Coordinator Topics	Credits
Measurement & Evaluation	2

Education Administration	2
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Emergency Response to Terrorism : Basic Concepts.

This 9 hour course, prepares EMS personnel to take the appropriate course of action at the scene of a potential terrorist incident. Department of Justice or Office of Firefighter Training certificate is required to obtain pre-approved credits.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Stress Management	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Medical	Poisons/Substance Abuse	1		1		1		1	
Operations	EMS Systems Operation	2		2		2		2	
	Hazardous Materials	2		2		2		2	
	Disaster Planning	2		2		2		2	
TOTAL CREDITS		9		9		9		9	

Emergency Response to Terrorism - Tactical Considerations for EMS

This 15-hour course, sponsored by FEMA, prepares EMS personnel to recognize a terrorist event, anticipate unusual response circumstances, take corrective actions and determine strategies for survival. Department of Justice or Office of Firefighter Training certificate is required to obtain pre-approved credits for fire personnel; SWM certificate required for non-fire EMS personnel.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
	Pharmacology	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
	Patient Assessment	1		1		1		1	
Medical	Poisons/Substance Abuse	1		1		1		1	
	Environmental Emerg	1		1		1		1	
	Respiratory	1		1		1		1	
Operations	EMS Systems Operation	2		2		2		2	
	Hazardous Materials	1		1		1		1	
	Disaster Planning	2		2		2		2	
TOTAL CREDITS		12		12		12		12	

Emergency Response to Terrorism - Tactical Considerations: Hazardous Materials

This 15-hour course, sponsored by the FEMA, prepares HazMat trained personnel responding to a terrorist event in developing initial tactical considerations. Department of Justice or Office of Firefighter Training certificate is required to obtain pre-approved credits.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Medical	Poisons/Substance Abuse	1		1		1		1	
	Environmental Emerg	2		2		2		2	
Operations	EMS Systems Operation	2		2		2		2	
	Hazardous Materials	3		6		6		6	
	Disaster Planning	2		2		2		2	
TOTAL CREDITS		12		15		15		15	

Emergency Vehicle Operation Course (EVOC)

This Ambulance Insurance Services, Inc. course's goal is to make students aware of potential tragedy, financial loss, legal consequences and moral responsibilities which result from the operation of an emergency vehicle. Its' main focus is on EMS safety and scene operations. **Classroom presentations and skill sessions are part of the curriculum.** This course meets the MDCH Agency Inspection requirement for department approved vehicle operation education and competency assessment. Certificate through NHTSA and VFIS

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Medical legal	1		1		1		1	
Operations	Emergency Driving	2	2	2	2	2	2	2	2
	EMS Systems Operation	1		1		1		1	
TOTAL CREDITS		4	2	4	2	4	2	4	2

Geriatric Education for EMS

This one day course for BLS providers, or one and one-half day course for ALS providers, is sponsored by the American Geriatric Society and National Council of State EMS Training Coordinators.

One day course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Communications	1		1					
	Patient Assessment	1	1	1	1				
Medical	Cardiac Basic	1		1					
Trauma	Musculoskeletal	1		1					
	CNS Injury	1		1					
Special	Geriatrics	2		2					
Operations	EMS Systems Ops	1		1					
TOTAL CREDITS		8	1	8	1				

One and one half day ALS Course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Pharmacology					1		1	
Patient Assessment	Communications					1		1	
	Patient Assessment					1	1	1	1
Medical	Cardiac Basic					1		1	
Trauma	Musculoskeletal					1		1	
	CNS Injury					1		1	
Special	Geriatrics					2		2	
Operations	EMS Systems Operations					1		1	
TOTAL CREDITS						9	1	9	1

Hazardous Materials Courses:

Michigan State Police refresher courses are noted below.

Basic Life Support & Hazardous Materials Response

This 12-hour course, sponsored by the Federal Emergency Management Agency (FEMA) emphasizes critical concerns for emergency medical responders at hazardous materials incidents.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	2		2		2		2	
Operations	Disaster Planning	3		3		3		3	
	Hazardous Materials	2		2		2		2	
	EMS Systems Operations	2		2		2		2	
TOTAL CREDITS		9		9		9		9	

First Responder Hazardous Materials - Awareness Level

This 4-1/2 hour course is the first level of training in Hazardous Materials. Emphasis is on identification and recognition of HazMat incidents. This course is taught through the Office of Firefighter Training, and an OFFT certificate is required to receive pre-approved credits.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Operations	Disaster Planning	2		2		2		2	
	Hazardous Materials	2		2		2		2	
TOTAL CREDITS		4		4		4		4	

First Responder Hazardous Materials - Operations Level

This twenty four hour course is the second level of Hazardous Materials training. This course is also taught through the Office of Firefighter Training, and an OFFT certificate is required to document completion.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1	1	1	1	1	1	1	1
	Well being	1		1		1		1	
	PPE/BSI	1	1	1	1	1	1	1	1
Medical	Environmental Emerg	1		1		1		1	
Operations	Disaster Planning	2	1	2	1	2	1	2	1
	Hazardous Materials	2	2	2	2	2	2	2	2
	EMS Systems Operations	1	1	1	1	1	1	1	1
TOTAL CREDITS		9	6	9	6	9	6	9	6

Hazmat Technician/Specialist Responder HAZWOPER Refresher

In accordance to OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training. Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly. This program will address all defensive tactical responsibilities operational level trained personnel have for performing at hazmat incidents.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Operations	Disaster Planning	2	2	2	2	2	2	2	2
	Hazardous Materials	2	2	2	2	2	2	2	2
TOTAL CREDITS		4	4	4	4	4	4	4	4

Health and Safety Officer

This 16-1/2 hour course, sponsored by the Federal Emergency Management Agency (FEMA) and delivered through the Office of Firefighter Training, prepares participants to identify and analyze health and safety aspects that affect emergency responder safety in emergency and non-emergency situations. An OFFT or FEMA certificate is required.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	2		2		2		2	
	Communicable Disease	2		2		2		2	
Medical	Environmental Emerg	1		1		1		1	
Operations	EMS Systems Operations	2		2		2		2	
	Rescue Extrication	2		2		2		2	
TOTAL CREDITS		9		9		9		9	

Hot Zone Rescue for First Responder Operations

The most dangerous element of any HAZMAT incident, both to the exposed victims and the rescuers, is the rescue from the hot zone. Rescue operations should always be performed using appropriate protective equipment (PPE). Students need to bring a set of firefighter turnout gear with hood, gloves, and boots to this course.

Prerequisite: Hazardous Materials First Responder Operations

Hours: 8

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Handling	1	1	1	1	1	1	1	1
Operations	EMS Systems Operations	1		1		1		1	
TOTAL CREDITS		2	1	2	1	2	1	2	1

PHTLS, AMLS and EPC, PALS Instructor Courses., Certifications through NAEMT, AHA

Instructor Coordinator Topics	Credits
Instructional Techniques	2
Measurement & Evaluation	2
Education Administration	2
Total Credits	6

International Trauma Life Support (ITLS) (formerly BTLIS)

This course presents the skills necessary for thorough assessment, initial resuscitation, stabilization, and transport of the trauma victim. In addition, the course also stresses those conditions that require urgent surgical attention and thus demand immediate transport. ITLS emphasizes a rapid, organized approach to the trauma victim. Certification is four years. Certification of ITLS through CMS

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy						1		1
Patient Assessment	Patient Assessment	1	2	1	2	1	2	1	2
Airway/Ventilation	Airway Basic	1	1	1	1	1		1	
	Airway Advanced						1		1
Trauma	Shock	1	1	1	1	1	1	1	1
	Spinal Injury/Backboarding		1		1		1		1
	Bleeding/Soft Tissue		1		1		1		1
	Burns	1		1		1		1	
	CNS Injury		1		1		1		1
	Chest Injury	1		1		1		1	
	Musculoskeletal		1		1		1		1
Special	Pediatrics		1		1		1		1
Operations	Rescue/Extrication		1		1		1		1
TOTAL CREDITS		5	10	5	10	5	11	5	11

International Trauma Life Support (ITLS) Recertification

This 4 hour minimum course reviews the ITLS curriculum utilizing lectures, scenarios, and written and practical testing. Re-certification is available at the Specialist and Paramedic levels only. (Four years)

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	1	1	1	1	1	1	1	1
Airway/Ventilation	Airway Basic	1		1					
	Airway Advanced					1		1	
Trauma	Spinal Injury/Backboarding		1		1		1		1
TOTAL CREDITS		2	2	2	2	2	2	2	2

ITLS Instructor Course

This one-day course sponsored by BTLIS is designed to train participants in the basics of teaching ITLS and focuses on teaching testing techniques.

Instructor Coordinator Topics	Credits
Instructional Techniques	3
Measurement & Evaluation	2
Education Administration	2

International Trauma Life Support (ITLS) Access

This 1 day course is designed to train participants in the basics of gaining access to trauma victims involved in motor vehicle collisions. The course consists of lecture and practical stations. ITLS through CMS.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	2		2		2		2	
Operations	Rescue Extrication	3		3		3		3	
TOTAL CREDITS		5		5		5		5	

Mental Health First Aid USA

Mental Health First Aid is offered in the form of an interactive 12-hour course that presents an overview of mental illness and substance use disorders in the U.S. and introduces participants to risk factors and warning signs of mental health problems, builds understanding of their impact, and overviews common treatments. Those who take the 12-hour course to certify as Mental Health First Aiders learn a 5-step action plan encompassing the skills, resources and knowledge to help an individual in crisis connect with appropriate professional, peer, social, and self-help care. **National Council for Community Behavioral Healthcare** offers certification.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Medical	Mental Illness	5		5		5		5	
Patient	<i>Patient Assessment</i>	5	2	5	2	5	2	5	2
TOTAL CREDITS		10	2	10	2	10	2	10	2

Michigan Child Death Review

The goal of the training is to enhance participants' understanding of child fatalities; especially their knowledge of how children die, morbidity and mortality data, the medical and legal investigation of child fatalities, services and professional support when a child dies, and strategies to develop prevention programs. The goal is to develop the skills in conducting comprehensive review of child fatalities. 3 day course. Certification through MPHI.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Special	Pediatrics	2		2		2		2	
Operations	EMS Systems	1		1		1		1	
TOTAL CREDITS		4		4		4		4	

MUSAR Training Foundation

This urban search and rescue program was developed by **Michigan State Police Emergency Management and Homeland Security Training Center. It contains 5 courses.**

1. **Rope Rescue Awareness / OPS (Rope II)** - 40 hour course, Patient packaging, safe raising and lowering techniques.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	2		2		2		2	
Patient Assessment	Patient Assessment	2	1	2	1	2	1	2	1
	Communications	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic	1		1		1		1	
Trauma	Spinal Injury/Backboarding	2	1	2	1	2	1	2	1
Operations	Hazardous Materials	1		1		1		1	
TOTAL CREDITS		9	2	9	2	9	2	9	2

2. **Structural Collapse Rescue Awareness / OPS**-40 hr course, Rescue in structural collapse incidents.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient Assessment	Patient Assessment	1	1	1	1	1	1	1	1
	Communications	3		3		3		3	
Trauma	Spinal Injury/Backboarding	1	1	1	1	1	1	1	1
Operations	Hazardous Materials	2		2		2		2	
	Rescue/Extrication	2		2		2		2	
TOTAL CREDITS		10	2	10	2	10	2	10	2

3. **Confined Space Rescue Awareness / OPS** - 24 hour course, Confined Space rescue techniques and apparatus.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic	1		1		1		1	
Patient Assessment	Patient Assessment	2	2	2	2	2	2	2	2
	Communications	1		1		1		1	
Trauma	Spinal Injury/Backboarding	1	1	1	1	1	1	1	1
Operations	Hazardous Materials	3		3		3		3	
	Rescue/Extrication	1		1		1		1	
TOTAL CREDITS		10	3	10	3	10	3	10	3

4. **Trench Rescue Awareness / OPS** - 24 hour course, Victim removal/recovery from variety of trenches.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient	Patient Assessment	2	2	2	2	2	2	2	2
	Communications	1		1		1		1	
Trauma	Spinal	1	1	1	1	1	1	1	1
Operations	Hazardous Materials	2		2		2		2	
	Rescue/Extrication	1		1		1		1	
TOTAL CREDITS		8	3	8	3	8	3	8	3

5. **Trench Rescue, Technician** - 48 hour course, additional scenarios of trench rescue.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient Assessment	Patient Assessment	2	2	2	2	2	2	2	2
	Communications	1		1		1		1	
Trauma	Spinal Injury	1	2	1	2	1	2	1	2
Operations	Hazardous Materials	2		2		2		2	
	Rescue/Extrication	1		1		1		1	
TOTAL CREDITS		8	4	8	4	8	4	8	4

National Incident Management System (NIMS)

Incident Command System for EMS, Fire, and Law Enforcement Personnel

This 14-hour classroom course, sponsored by the Federal Emergency Management Agency (FEMA), delivered through the Department of Homeland Security and National Fire Academy teaches the participant to implement an Incident Command System. **This course is available from Michigan Office of Firefighter Training or Michigan Department of Community Health.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Communications	4		4		4		4	
Operations	Disaster Planning	3		3		3		3	
	EMS Systems Operations	2	3	2	3	2	3	2	3
TOTAL CREDITS		9	3	9	3	9	3	9	3

Course: ICS 300

This two day, 16 hour course is sponsored by the Federal Emergency Management Agency (FEMA), delivered through the Department of Homeland Security and National Fire Academy teaches the participant Intermediate ICS for Expanding Incidents. This course is available from Michigan Department of Community Health, Michigan Office of Firefighter Training, Michigan State Police Emergency Management and Homeland Security Training Center, Office of Domestic Preparedness (ODP) and Center of Domestic Preparedness (CDP). **A certificate of course completion from FEMA, NFA, MDCH, MOFFT, MSP, ODP, or CDP is required for the pre-approved credits.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Communications	1		1		1		1	
Operations	Disaster Planning	2	1	2	1	2	1	2	1
	Incident Command System/Unified Incident Command	6	4	6	4	6	4	6	4
TOTAL CREDITS		9	5	9	5	9	5	9	5

Course: ICS 400

This course is sponsored by the Federal Emergency Management Agency (FEMA), delivered through the Department of Homeland Security and National Fire Academy teaches the participant Advanced ICS Command for Complex Incidents. This course is available from Michigan Department of Community Health, Office of Firefighter Training, Michigan State Police Emergency Management and Homeland Security Training Center, Office of Domestic Preparedness (ODP) and Center of Domestic Preparedness (CDP). **A certificate of course completion from FEMA, NFA, MDCH, MOFFT, MSP, ODP, or CDP is required for the pre-approved credits.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Communications	1		1		1		1	
Operations	Incident Command System/Unified Incident Command	9	2	9	2	9	2	9	2
TOTAL CREDITS		10	2	10	2	10	2	10	2

Introduction to Tactical Combat Casualty Care

Introduction to the Tactical Medics roles and responsibilities . Introduction to basic SWAT operations, methods, and equipment. Advanced techniques of “officer down” scenarios. The performance of patient’s assessment in tactical environments. Practical topics including advanced airway techniques and bleeding control. 16 hrs. Certification through NAEMT.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic/Adv	1	1	1	1	1	1	1	1
Trauma	Spinal	6	4	6	4	6	4	6	4
Operations	Tactical Field/Evac.	2	1	2	1	2	1	2	1
TOTAL CREDITS		10	6	10	6	10	6	10	6

Unified Incident Command

This two day course is part of the National Incident Management System and is sponsored by Michigan State Police Emergency Management and Homeland Security Training Center. **These credits are approved for the two-day course only, NOT for the on-line 100 and 200 program.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
	Stress Management	1		1		1		1	
	Med Legal	1		1		1		1	
Patient Assessment	Patient Assessment	2		2		2		2	
	Communications	2		2		2		2	
Operations	EMS Systems Operations	2	2	2	2	2	2	2	2
	Disaster Planning	2	1	2	1	2	1	2	1
	Hazardous Materials	1		1		1		1	
TOTAL CREDITS		12	3	12	3	12	3	12	3

All-Hazards Incident Management Team: Finance Section Chief, Logistics Section Chief, Operations Section Chief, Planning Section Chief, Safety Officer

This course is designed to provide local and State-level emergency responders with a robust understanding of the duties, responsibilities, and capabilities of an effective Finance/Administration Section Chief (FSC) on an All-Hazards Incident

Management Team (AHIMT). These responsibilities fall into two categories: 1) managing the Finance/Administration Section personnel, and 2) managing the finances and administrative responsibilities during an incident. Exercises, simulations, discussions, and a final exam enable participants to process and apply their new knowledge. Certification through FEMA.

Prerequisites: ICS 100, ICS 200, IS 700, IS 800b, ICS 300, and ICS 400 Hours: 32

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Operations	EMS Systems Operations	1		1		1		1	
	Disaster Planning	1		1		1		1	
	Hazardous Materials	1		1		1		1	
TOTAL CREDITS		6		6		6		6	

Incident Command System/Emergency Operations Center (ICS/EOC) Interface – All Disciplines

This course will introduce you to the roles of the Incident Command System (ICS) and Emergency Operations Centers (EOCs) during emergency operations, and discuss ways to develop an ICS/EOC interface implementation strategy or action plan for your community. FEMA certificate.

Prerequisite: IS-100, IS-200 or equivalent Hours: 8

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Operations	EMS Systems Operations	1		1		1		1	
TOTAL CREDITS		3		3		3		3	

Neonatal Resuscitation Course

This course, sponsored by the **American Heart Association**, is intended to set a standard of care for individuals caring for neonates requiring resuscitation following delivery. Certification is two years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Anatomy & Physiology	1		1		1		1	
	Pharmacology							1	
Patient Assessment	Patient Assessment	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic		1		1				
	Airway/O2 Advanced						1		1
Medical	Respiratory	1		1		1		1	
Special Considerations	Pediatrics		1		1		1		1
TOTAL CREDITS		3	2	3	2	3	2	4	2

Pediatric Advanced Life Support (PALS) Initial and Re-certification

This course, sponsored by the **American Heart Association**, covers all phases of Emergency Cardiac Care for infants and children. Emphasis parallels ACLS objectives. Certification is for two years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment								1
Airway/Ventilation	Airway/O2 Basic							1	
	Airway/O2 Advanced							1	
Medical	Cardiovascular - Basic							1	
	Cardiovascular Advanced							1	
Special	Pediatrics							1	1
TOTAL CREDITS								5	2

Pediatric International Trauma Life Support

This one-day Pediatric ITLS Course is sponsored by the Michigan Chapter of International Trauma Life Support. ITLS/CMS certificate.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	1		1		1		1	
	Communications	1		1		1		1	
Airway/Ventilation	Airway Basic	1		1		1		1	
Trauma	Shock	1		1		1		1	
	Spinal Injury/Backboarding	1		1		1		1	
	CNS Injury	1		1		1		1	
Special	Pediatrics	1		1		1		1	
TOTAL CREDITS		7		7		7		7	

Pediatric Education for Pre-Hospital Professionals (PEPP)

The PEPP course, sponsored by the American Academy of Pediatrics, is a comprehensive and highly visual pediatric course for both BLS and ALS providers with case-based lectures, live action videos, hands-on skill stations, and scenarios. The one-day BLS course has been specifically designed for First Responders, and EMT's. The two-day ALS course is geared toward EMT-Specialists and Paramedics. Certificate through AAP.

One day BLS Course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic		1		1		1		1
Medical	Respiratory	1		1		1		1	
	OB/GYN	1		1		1		1	
Trauma	Bleeding/Soft Tissue	1		1		1		1	
Special	Pediatrics	1	1	1	1	1	1	1	1
TOTAL CREDITS		5	2	5	2	5	2	5	2

PEPP Two day ALS Course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy					1		1	
Patient Assessment	Patient Assessment					1		1	
Airway/Ventilation	Airway/O2 Basic					1		1	
	Airway/O2 Advanced						1		1
Medical	Cardiovascular Basic					1			
	Cardiovascular Advanced							1	
	Respiratory					1		1	
	OB/GYN					1		1	
Trauma	Bleeding/Soft Tissue					1		1	
Special	Pediatrics					2	2	2	2
TOTAL CREDITS						9	3	9	3

PEPP One day Classroom Renewal Course:

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy					1		1	
Patient Assessment	Patient Assessment	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic		1		1				
	Airway/O2 Advanced						1		1
Medical	Cardiovascular Basic	1		1		1		1	
Special	Pediatrics		1		1		1		1
TOTAL CREDITS		2	2	2	2	3	2	3	2

Pediatric & Neonatal Critical Care Transport (PNCCT)

Offered through the University of Maryland - Baltimore County, the Pediatric & Neonatal Critical Care Transport Training Program is designed to prepare nurses and paramedics to function as members of a pediatric and neonatal critical care transport team. Participants will gain an understanding of the special needs of critical patients during transport, become familiar with the purpose and mechanisms of in-hospital procedures and equipment, and develop the skills to maintain the stability of the critical care patient during transport. Certification through UMBC is three years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Communicable Disease			1		1		1	
	IV Therapy				1		1		1
	Pharmacology			1	1	1	1	1	1
	Medical Legal			2		2		2	
	Flight Physiology			1		1		1	
Patient Assessment	Pt. Assessment/Triage			2		2		2	
Airway/Ventilation	Airway Management			5	2	5	2	5	2
Medical	Cardiovascular			4		4		4	
	Respiratory			2		2		2	
	Miscellaneous Medical			5		5		5	
Trauma	CNS Injury			3		3		3	
	Shock			2		2		2	
	Miscellaneous Trauma			3		3		3	
Special Considerations	Pediatrics			6	2	6	2	6	2
Operations	Transport Decisions			2		2		2	
TOTAL CREDITS				39	6	39	6	39	6

Pre-Hospital Trauma Life Support (PHTLS)

This course is sponsored by the National Association of Emergency Medical Technicians in cooperation with the Committee on Trauma of the American College of Surgeons. The course emphasizes treatment, stabilization, and rapid transportation for trauma patients. NAEMT Certification is four years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	IV Therapy					1		1	
Patient Assessment	Patient Assessment		2		2		2		2
Airway/Ventilation	Airway Basic		1		1				
	Airway Advanced						1		1
Trauma	Shock	1		2		2		2	
	Spinal Injury/Back boarding		2		2		2		2
	Abdominal Injury	1		1		1		1	
	Bleeding/Soft Tissue	1		1		1		1	
	Burns	1		1		1		1	
	CNS Injury	1		1		1		1	
	Chest Injury	1		1		1		1	
	Musculoskeletal	1		1		1		1	
Special	Pediatrics		1		1		1		1
Operations	Rescue/Extrication			1		1		1	
TOTAL CREDITS		7	6	9	6	10	6	10	6

Pre-Hospital Trauma Life Support (PHTLS) Refresher

This one day (8 hour) refresher course is done every four years.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment	1	1	1	1	1	1	1	1
Airway/Ventilation	Airway Basic		1		1				
	Airway Advanced						1		1
Trauma	Spinal Injury/Backboarding		1		1		1		1
	Abdominal Injury	1		1		1		1	
	Chest Injury	1		1		1		1	
Special Considerations	Geriatrics	1		1		1		1	
	Pediatrics	1		1		1		1	
TOTAL CREDITS		5	3	5	3	5	3	5	3

Professional Emergency Management (PEM) certification

To be eligible for the designation of "Professional Emergency Manager" (PEM), candidates are required to successfully complete a multitude of courses offered online and in a classroom, as well as a written exam. The required courses include 17 Federal Emergency Management Agency (FEMA) Independent Studies (IS); two Michigan State Police, Emergency Management and Homeland Security Division (MSP/EMHSD) online courses; and 11 MSP/EMHSD classroom courses. Some of these requirements also serve as prerequisites for other required PEM classes (please see the individual course descriptions on [MiTrain](#) for further details).

IS 100, 200,700 Incident Command & 800 NIMS (only when done direct delivery, NOT online courses)

Category	Topic	MFR		EMT		Specialist			Paramedic	
		L	P	L	P	L	P	L	P	
Operations	Disaster	1		1		1		1		
TOTAL CREDITS		1		1		1		1		

G191 ICS/EOC Interface, G 230 Introduction to Emergency Management , G 235 Emergency Planning, & G 385 Disaster Response & Recovery.

Category	Topic	MFR		EMT		Specialist			Paramedic	
		L	P	L	P	L	P	L	P	
Operations	Disaster	4		4		4		4		
TOTAL CREDITS		4		4		4		4		

G 290 Basic PIO & G626 Hazard Mitigation Comprehensive Plan Interface

Category	Topic	MFR		EMT		Specialist			Paramedic	
		L	P	L	P	L	P	L	P	
Patient Assessment	Communications	8	1	8	1	8	1	8	1	
TOTAL CREDITS		8	1	8	1	8	1	8	1	

Trauma First Response (PHTLS): This course is for First Responders who only want a 1 day PHTLS course. This is a certification course through NAEMT.

Category	Topic	MFR	EMT		Specialist			Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Assessment	.5	1	.5	1	.5	1	.5	1
Airway	Basic Airway	.5	.5	.5	.5	.5	.5	.5	.5
Trauma	Shock/Bleeding	.5	.5	.5	.5	.5	.5	.5	.5
	Spinal Imm.		.5		.5		.5		.5
	Trauma Systems	.5		.5		.5		.5	
Operations	Rapid Extrication		.5		.5		.5		.5
TOTAL CREDITS		2	3	2	3	2	3	2	3

Rail Safety for Emergency Responders

The course allows pre-hospital providers the knowledge and hands-on experience with rail safety and operations. One day and half-day courses. Certificate through Rail Safety by Operation Lifesaver.

Full-day course

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury prevention	3		3		3	1	3	1
Operations	Disaster Planning	3		3		3	1	3	1
TOTAL CREDITS		6		6		6	2	6	2

Half-day course

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury prevention	2		2		2		2	
Operations	Disaster Planning	2		2		2		2	
TOTAL CREDITS		4		4		4		4	

Safe Delivery of Newborns

This course provides EMS Providers on the safe choices for women and newborn protection from possible harm or death. Identifying the laws that pertain to the Safe Delivery Program. Identifying the resources available to the EMS Provider and how to obtain these resources. 3 hrs. Certificate of completion by Michigan Department of Health Services, Safe Delivery of Newborns.

Category	Topic	MFR		EMT		Specialist		Paramedic	
Operations	EMS Systems Operations	1		1		1		1	
Preparatory	Med/Legal	1		1		1		1	
TOTAL CREDITS		2		2		2		2	

TEAM: Team Evolution and Management (formerly CISD)

This two day course, sponsored by the International Critical Incident Stress Foundation in Ellicott City, Maryland, assists participants in developing and managing a CISD team. The course prepares mental health professionals and peer support personnel from the emergency services to provide a variety of crisis services for distressed emergency personnel. The services described in the training include pre-incident education, defusing, demobilizations, significant other support and debriefings. Certificate through CISF.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Patient Assessment	Communications	1		1		1		1	
Medical	Behavioral Emergencies	3		3		3		3	
Operations	EMS Systems Operations	3		3		3		3	
TOTAL CREDITS		8		8		8		8	

Introduction to Tactical Combat Casualty Care

Introduction to the Tactical Medics roles and responsibilities . Introduction to basic SWAT operations, methods, and equipment. Advanced techniques of “officer down” scenarios. The performance of patient’s assessment in tactical environments. Practical topics including advanced airway techniques and bleeding control. 16 hrs. Certificate by NAEMT.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Patient Handling	1		1		1		1	
Airway/Ventilation	Airway/O2 Basic/Adv	1	1	1	1	1	1	1	1
Trauma	Spinal	6	4	6	4	6	4	6	4
Operations	Tactical Field/Evac.	2	1	2	1	2	1	2	1
TOTAL CREDITS		10	6	10	6	10	6	10	6

Trauma Nurse Core Curriculum (TNCC)

This course is sponsored by the Emergency Nurses Association. It provides a consistent standardized knowledge base and approach to trauma care. Certificate through ENA.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Patient Assessment	Patient Assessment			1	3	1	3	1	3
Airway/Ventilation	Airway Basic				2		1		1
	Airway Advanced						1		1
Medical	Behavioral Emergencies			1		1		1	
Trauma	Shock			2		2		2	
	Spinal Injury/Backboarding				2		2		2
	Abdominal Injury			1		1		1	
	Burns			1		1		1	
	Chest Injury			1		1		1	
	CNS Injury			1		1		1	
	Musculoskeletal			1		1		1	
TOTAL CREDITS				9	7	9	7	9	7

Urban Search and Rescue Medical Specialist Course

This is a 40 hour course for paramedic urban search and rescue teams, sponsored by FEMA. The class may be only be taught by FEMA approved providers, Texas A & M University or Virginia Beach Fire/Rescue. **A FEMA approved certificate is required to receive pre-approved credits.**

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Injury Prevention							2	
	Stress Management							1	
	IV Therapy							2	2
	Pharmacology								1
Patient Assessment	Patient Assessment							1	3
Airway/Ventilation	Airway Basic								1
	Airway Advanced								2
Trauma	Shock							2	2
	Spinal Injury/Backboarding								1
	Musculoskeletal								1
Operations	Disaster Planning							5	
	Triage							1	1
	Extrication							2	1
	EMS Systems Operations							2	
TOTAL CREDITS								18	15

Vehicle Extrication Course

This 12-hour course, sponsored by the Office of Firefighter Training, teaches the basic principles of vehicle extrication. An OFFT certificate is required to receive pre-approved credits.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Preparatory	Stress Management	1		1		1		1	
	Patient Handling	2		2		2		2	
Patient Assessment	Patient Assessment		1		1		1		1
	Communications	1		1		1		1	
Trauma	Spinal Injury/Backboarding	1		1		1		1	
Operations	Disaster Planning	1		1		1		1	
	Rescue/Extrication	3	2	3	2	3	2	3	2
TOTAL CREDITS		9	3	9	3	9	3	9	3

VFIS Driver Training Course

This course is sponsored by the Office of Fire Fighters Training, to teach the principles and skills of emergency vehicle driving. An OFFT Driver Training Record is required to obtain pre-approved credits. This course meets the MDCH Agency Inspection requirement for department approved vehicle operation education and competency assessment.

Category	Topic	MFR		EMT		Specialist		Paramedic	
		L	P	L	P	L	P	L	P
Operations	Emergency Driving	3	2	3	2	3	2	3	2
	EMS Systems Operations	2		2		2		2	
TOTAL CREDITS		5	2	5	2	5	2	5	2

Approved On-line C.E. Credits

The following on-line programs have been approved by MDCH to provide Michigan continuing education credits. The site will provide verification of completion.

1. CE Solutions
www.ems-ce.com
2. Emcert, Inc.
www.emcert.com
3. HealthStream/Promedica
www.promedica.org
4. Michigan EMS Education
www.miemseducation.com
5. MedicEd.com
www.mediced.com
6. EASY IC EMS
www.easyic.net
Note: Instructor Coordinator credits
7. Target Safety
www.targetsolutions.com
8. 24/7
www.24-7ems.com
9. Kaplan
www.kaplansolutions.com
10. ACLS / PALS
www.onlineaha.org
11. American CME
www.americancme.com
12. Interactive Online Training
www.arrivealivedonohrm.com
13. Center Learn (Learning Management System Rapid CE)
www.centrelearn.com
14. Epilepsy & Seizure CE
www.nysvara.org/news/2011/april/110411.pdf
15. MedMerge Solutions
www.medmergesolutions.com

Medical First Responders (EMRs) completing a basic EMT course

Medical First Responders who successfully complete a Basic EMT course and are eligible for the Basic EMT Licensing Exam can be awarded all of the continuing education credits toward MFR license renewal if desired.

MFR's who complete a Basic EMT course and are not eligible for the licensing exam can be awarded continuing education credits toward MFR license renewal by submitting written endorsement of course completion from their Program Sponsor Representative or Program Course Coordinator. The endorsement must include the Program Sponsor name and date of course completion.

Basic EMTs completing a paramedic course

Basic EMTs who successfully complete a Paramedic course and are eligible for the Paramedic Licensing Exam and can be awarded all of the continuing education lecture and practical credits toward BEMT license renewal if desired.

Basic EMT's who complete a paramedic course and are not eligible for the licensing exam can be awarded all continuing education lecture and practical credits toward EMT license renewal by submitting written endorsement of Paramedic course completion from their Program Sponsor Representative or Program Course Coordinator. The endorsement must include the Program Sponsor name and date of course completion.

Basic EMTs completing a specialist/AEMT course

Basic EMT's who successfully complete a Specialist/AEMT course and are eligible for the Specialist/AEMT Licensing Exam can be awarded the following credits toward Basic EMT license renewal if desired.

Basic EMT's who complete a Specialist/AEMT course and are not eligible for the licensing exam can be awarded continuing education credits toward EMT license renewal by submitting written endorsement of Specialist course completion from their Program Sponsor Representative or Program Course Coordinator. The endorsement must include the Program Sponsor name and date of course completion.

Category	Topic	Lecture	Practical
Preparatory	Anatomy/Physiology	1	
	Med/Legal	1	
	Patient Handling	1	1
	Pharmacology	1	1
Patient Assessment	Patient Assessment/Triage	1	1
	Communications	2	
Airway/Ventilation	Airway/O2 – Basic	1	1
Medical	Cardiovascular – Basic	1	
	Respiratory	2	
	Abdominal Illness	1	
	Diabetic Emergencies	1	
	CNS Illness	1	
	Environmental Emergencies	1	
	Trauma	Shock	2
IV Maintenance		2	
Chest Injury		1	
Musculoskeletal		1	1
Operations	EMS Systems Operations	2	
TOTAL CREDITS		23	5

Specialists/AEMT completing a paramedic course

Specialists/AEMT who successfully complete a Paramedic course and are eligible for the Paramedic Licensing Exam can be awarded all of the continuing education lecture and practical credits toward Specialist license renewal if desired.

Specialists/AEMT who complete a Paramedic course and are not eligible for the licensing exam can be awarded all continuing education lecture and practical credits toward Specialist/AEMT license renewal by submitting written endorsement of Paramedic course completion from their Program Sponsor Representative or Program Course Coordinator. The endorsement must include the Program Sponsor name and date of course completion.

Conversion Document Medical First Responder and Basic EMT

Michigan EMS Continuing Education Credits to National Curriculum Topic Areas

National Curriculum Topic Category	Michigan CE Topic		Possible CE or Refresher Topics
	MFR	Basic EMT	
Preparatory			
	A & P	A & P	Anatomy, Physiology, Pathophysiology
	Communicable Disease	Communicable Disease	PPE, BSI, Disease Prevention, Managing
	Injury Prevention	Injury Prevention	Injury Prevention, Personnel Safety
		IV Maintenance	Maintaining an established IV
	Medical- Legal	Medical- Legal	Medical- Legal, Ethics
	Basic Pharmacology	Basic Pharmacology	General (Basic) Pharmacology
	Patient Handling	Patient Handling	Lifting and Moving
	Stress Management	Stress Management	Stress Management, CISD, Death-Dying, Well Being of the EMS Provider, Nutrition, Fitness,
Airway Management Ventilation			
	Airway Oxygen Basic	Airway Oxygen Basic	Basic Airway skills, Combitube, Ventilation, BLS Procedures
Patient Assessment			
	Patient Assessment	Patient Assessment	Patient Assessment, Baseline Vitals and SAMPLE History, Techniques of Physical Exam, Clinical
	Communications	Communications	Therapeutic Communications Radio
Medical			
	Abdominal Illness	Abdominal Illness	Gastroenterology, Renal/Urology
	Behavioral Emergencies	Behavioral Emergencies	Behavioral, Psychiatric, Mental Health
	Cardiovascular Basic	Cardiovascular Basic	General Cardiology, AED
	CNS Illness	CNS Illness	Neurology, Stroke, CNS
	Diabetic Emergencies	Diabetic Emergencies	Diabetes, Altered Mental Status
	Environmental Emergencies	Environmental Emergencies	Heat/Cold Emergencies, Water Rescue, Drowning, Diving Emergencies, Altitude Emergencies, Radiation
	OB/GYN	OB/GYN	Obstetrics, Gynecological
	Poisons	Poisons	Poisons, Toxicology, Substance Abuse
	Respiratory Emergencies	Respiratory Emergencies	Respiratory, Pulmonary Allergies/ Anaphylaxis

National Curriculum Topic Category	Michigan CE Topic		Possible CE or Refresher Topics
	MFR	Basic EMT	
Trauma			
	Abdominal Injury	Abdominal Injury	Abdominal Injury
	Bleeding, Soft Tissue Injuries	Bleeding, Soft Tissue Injuries	Bleeding, Soft Tissue Injury, Facial, Eye
	Burns	Burns	Burns
	Chest Injuries	Chest Injuries	Chest Injuries, Thoracic
	CNS Injuries	CNS Injuries	Head and Spinal Injuries
	Musculoskeletal Injuries	Musculoskeletal Injuries	Musculoskeletal Injuries
	Shock	Shock	Shock
	Spinal Injury-Backboarding	Spinal Injury-Backboarding	Spinal Injuries, Immobilization, Spinal Motion Restriction
			Trauma systems, Mechanism of Injury
Special Considerations			
	Geriatrics	Geriatrics	Geriatrics
	Pediatrics	Pediatrics	Neonatology, Pediatrics, SIDS
			Abuse, Assault, Patients with Special Challenges, Acute Interventions for Chronic Care Patient
			Assessment Based Patient Management
Operations			
	Disaster Planning	Disaster Planning	Disaster Planning, Medical Incident Command, Triage, WMD, Terrorism
	Emergency Driving	Emergency Driving	Safe Emergency Driving
	EMS Systems Operations	EMS Systems Operations	Ambulance Operations, Medical Control Issues, Crime Scene Awareness
	Hazardous Materials	Hazardous Materials	Hazardous Materials
	Rescue/Extrication	Rescue/Extrication	Rescue Awareness and Operations, PPE, Confined

Conversion Document Specialist and Paramedic

Michigan EMS Continuing Education Credits to National Curriculum Topic Areas

National Curriculum Topic Category	Michigan CE Topic		Possible CE or Refresher Topics
	Specialist	Paramedic	
Preparatory			
	A & P	A & P	Anatomy, Physiology, Pathophysiology
	Communicable Disease	Communicable Disease	PPE, BSI, Disease Prevention, Managing
	Injury Prevention	Injury Prevention	Injury Prevention, Personnel Safety
	IV Therapy	IV Therapy	Venous Access and Medication Administration
	Medical- Legal	Medical- Legal	Medical- Legal, Ethics
	Patient Handling	Patient Handling	Lifting and Moving
	Basic Pharmacology		General (Basic) Pharmacology
		Pharmacology	Pharmacology
	Stress Management	Stress Management	Stress Management, CISD, Death-Dying, Well Being of the EMS Provider, Nutrition, Fitness,
Airway Management Ventilation			
	Airway Oxygen Basic	Airway Oxygen Basic	Basic Airway skills, Combitube, Ventilation, BLS Procedures
	Airway Oxygen Advanced	Airway Oxygen Advanced	Advanced Airway Management, Ventilation Skills, Sedation, BSI
Patient Assessment			
	Patient Assessment	Patient Assessment	Patient Assessment, Baseline Vitals and SAMPLE History, Techniques of Physical Exam, Clinical
	Communications	Communications	Therapeutic Communications Radio
Medical			
	Abdominal Illness	Abdominal Illness	Gastroenterology, Renal/Urology
	Behavioral Emergencies	Behavioral Emergencies	Behavioral, Psychiatric, Mental Health
	Cardiovascular Basic	Cardiovascular Basic	General Cardiology, AED
		Cardiovascular Advanced	EKG interpretation, Manual defib, Pacing, Cardioversion
	CNS Illness	CNS Illness	Neurology, Stroke, CNS
	Diabetic Emergencies	Diabetic Emergencies	Diabetes, Altered Mental Status
	Environmental Emergencies	Environmental Emergencies	Heat/Cold Emergencies, Water Rescue, Drowning, Diving Emergencies, Altitude Emergencies, Radiation
	OB/GYN	OB/GYN	Obstetrics, Gynecological

National Curriculum Topic Category	Michigan CE Topic		Possible CE or Refresher Topics
	Specialist	Paramedic	
Medical Continued			
	Poisons	Poisons	Poisons, Toxicology, Substance Abuse
	Respiratory Emergencies	Respiratory Emergencies	Respiratory, Pulmonary
			Endocrine, Hematology, Allergies/ Anaphylaxis
Trauma			
	Abdominal Injury	Abdominal Injury	Abdominal Injury
	Bleeding, Soft Tissue Injuries	Bleeding, Soft Tissue Injuries	Bleeding, Soft Tissue Injury, Facial, Eye
	Burns	Burns	Burns
	Chest Injuries	Chest Injuries	Chest Injuries, Thoracic
	CNS Injuries	CNS Injuries	Head and Spinal Injuries
	Musculoskeletal Injuries	Musculoskeletal Injuries	Musculoskeletal Injuries
	Shock	Shock	Shock, Fluids
	Spinal Injury-Backboarding	Spinal Injury-Backboarding	Spinal Injuries, Immobilization, Spinal Motion Restriction
			Trauma systems, Mechanism of Injury
Special Considerations			
	Geriatrics	Geriatrics	Geriatrics
	Pediatrics	Pediatrics	Neonatology, Pediatrics, SIDS
			Abuse, Assault, Patients with Special Challenges, Acute Interventions for Chronic Care Patient
			Assessment Based Patient Management
Operations			
	Disaster Planning	Disaster Planning	Disaster Planning, Medical Incident Command, Triage, WMD, Terrorism
	Emergency Driving	Emergency Driving	Safe Emergency Driving
	EMS Systems Operations	EMS Systems Operations	Ambulance Operations, Medical Control Issues, Crime Scene Awareness
	Hazardous Materials	Hazardous Materials	Hazardous Materials
	Rescue/Extrication	Rescue/Extrication	Rescue Awareness and Operations, PPE, Confined

Contact List C.E. Sponsors

American Academy of Pediatrics (PEPP) (Elk Grove, IL)	(847) 434-4000
American College of Emergency Physicians	(972) 550-0911
American Heart Association of Michigan	(800) 242-8721
American Red Cross Call Local Chapter	
American Stroke Association (Division of AHA)	(517) 349-3102
Michigan contact: Lisa Chote	
Arizona Emergency Medicine Research Center (AHLS)	(520) 626-2305
Association of Public Safety Communications	(386) 322-2500
Officials International (APCO) (EMD)	
ITLS (BTLS) of Michigan (David Maatman)	(616) 776-1699 x 3151
Center for Domestic Preparedness (Anniston, AL)	(256) 847 2290
Emergency Nurses Association	
Michigan contact: Pat Manion	(810) 714-4016
Epilepsy Foundation of Minnesota (St. Paul, MN)	(800) 779-0777
Federal Emergency Management Agency (FEMA)	(800) 238-3358
First Trauma Care Contact Susan Boyd	(231) 941-2184
Geriatric Education for EMS	
Mike Scott Orion, MI	(248) 391 4670
Emergency Management and Homeland Security Training Center, MI Department of State Police	(517) 322-1190
Initial Emergency Driving Safety Course	
Tom Mannisto T.E.A.M. Driving Concepts	(231) 362 3838
International Critical Incident Stress Foundation (Ellicott City, MD)	(410) 730-4311
Medical Priority Consultants (Salt Lake City, UT) (EMD Michigan contact: Vicki Maguire)	(810) 363-9127
Michigan Assoc. of Health Plans Foundation (Mary Joseph)	(517) 337-8146
Michigan Department of Community Health, EMS & Trauma Systems Section	(517) 241-0179
Michigan Farm Bureau	(517) 323-7000
Office of Fire Fighters Training	(517)241-0695
Michigan Health and Hospital Association	(517) 484-7441
Michigan Public Health Institute	(517) 324-7330
National Association of EMS Pilots	
Michigan Contact: Spectrum Aeromed	(616) 391-5318
National Association of Emergency Medical Technicians	(800) 94PHTLS
National Communications Institute (EMD)	(706) 216-0002
National Highway Traffic Safety Administration	
Michigan Contact: Office of Highway Safety Planning	(517) 333-5320
National Safety Council	(630) 285-1121
Occupational Research and Assessment, Inc.	(616) 796-2822
Pediatric Pre-Hospital Care (NREMT) Paul Sorrell (Affiliate Faculty)	(517-552-9374)
PowerPhone, Inc. (Madison, CT)	(800)537-6937
Pre-Hospital Trauma Life Support (Dale Wilson)	(269)641 8019
St. Joseph Mercy Oakland (John Devanzo)	(248)858-3147
UPEMS Corporation	(906)228-4182
University of Maryland, Baltimore County Critical Care Paramedic Program	(410)455-3223