

VERMONT EMS DISTRICT SIX
Middlesex EMT Course – Fall, 2017
Dates: September 12, 2017 to March 10, 2018

Oversight Instructor Coordinator: Mark Podgwaite, AEMT
Waterbury Ambulance

Primary Instructors Coordinators: Robert Bower rbower1907@comcast.net
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Sponsoring Agency: Waterbury Ambulance
Mad River Valley Ambulance
Middlesex Fast Squad

Course Meeting Dates & Times: Wednesdays: 18:30-21:30
Every Other Saturday: 0900-1500

Course Location: Middlesex Fire Department
Middlesex, Vermont

Dates: 09/12/2017-05/12/2018 **Expected Licensure Exam Date:** March 10, 2018

Course Cost: No cost for residents in sponsoring agency areas
\$160.00 for other students

Course Prerequisites:

All candidates shall complete the following in application to participate in this course:

- Completed a course Candidate Application at www.regonline.com/VTEMSD6_2017EMT
- Be at least 18 y/o (EMT) as of Mar 10th, 2018.
- Be physically willing and able to fully participate in patient care, skills, and scenarios
- Have and maintain a current AHA Healthcare Provider CPR certification (see course below)
- Have completed online ICS 100, ICS 200, & NIMS 700 training. (<https://training.fema.gov/nims/>)

American Heart Association Healthcare Provider CPR Certification:

All students must have completed an American Heart Association (AHA) Basic Life Support (Instructor Lead) Course or a Heartcode® BLS (Blended) Course. Students that have not completed either within the past year will need to purchase and complete the AHA Heartcode® BLS, which can be found at <http://www.onlineaha.org/courses#3>. The cost is \$28.50. Students will then need to attend the Heartcode® BLS skills verification day on September 11th at 6:30PM in order to complete the certification. All students will need to send/e-mail electronic copies of their cards prior to acceptance into the course.

National Incident Management System Training:

All students must complete the Federal Emergency Management training for National Incident Management Systems. The courses required are ICS-100, ISC-200 and IS-700. The courses are free

and each takes about 2-3 hours to complete. Students will need to provide scanned copies of their complete certificates prior to acceptance into the course.

ICS-100: <https://training.fema.gov/is/courseoverview.aspx?code=IS-100.b>

ICS-200: <https://training.fema.gov/is/courseoverview.aspx?code=IS-200.b>

IS-700: <https://training.fema.gov/is/courseoverview.aspx?code=IS-700.a>

GENERAL COURSE DESCRIPTION:

The Emergency Medical Technician course prepares the student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMTs, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre-hospital setting, and providing patient transportation. The course is meant for both those students that are new to Emergency Medical Services (EMS) systems and those that have obtained EMR licensure. EMT is the primary licensure for any transporting EMS service. All potential students should review the requirements above and provide documentation with their application.

The course will have weekly lectures on Wednesday evenings. It will include homework and assignments with regular online exams. The course will also have practical lab sessions, which are mandatory for all participants, and are scheduled every other Saturday. EMT skill sessions and practical scenarios will be evaluated by community responders and supervised by the faculty.

LICENSURE DESCRIPTIONS:

Emergency Medical Technician (EMT):

This course is required to apply for licensure as an Emergency Medical Technician (EMT). This course introduces the theory and application of concepts related to the profession of the EMT. The primary focus of the EMT is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the advanced knowledge and skills necessary to provide patient care and transportation. Topics include: expanding the knowledge of the EMR, airway and ventilation management, medication administration, cardiac arrest management, as well as the assessment and management of various medical illnesses and traumatic injuries. This course is based on the NHTSA National Emergency Medical Services Education Standards.

COURSE ATTENDANCE POLICY:

Students are allowed to be tardy no more than three (3) times. This include at the start of a class / lab, or the restart of a session upon a break. Students are expected to be present and participate in each classroom and practical session, and stay the length of each class as outlined. Students are allowed one (1) non-excused absence. Students are allowed excused absences in summation not to exceed ten percent (10%) of the course hours and/or sessions. Students will be required to make-up all missed work by completing online chapter assignments within two (2) course sessions. The Instructor Coordinator may assign additional work, special assignments, or further assessments to ensure the student has obtained the information that they missed or has not successfully mastered.

TEACHING AND LEARNING METHODS:

Teaching and learning methods in this course may include, but are not limited to, assigned readings, classroom lectures, student presentations, discussions, critical thinking exercises, class activities, practical labs, clinical practicum and other assignments. There will be extensive use of the MyBradyLab online learning management software. As such, every student **must** have access to internet throughout their participation in the course. Evaluation procedures include, but are not limited to, pop quizzes, online written examinations, assignments, and practical skills tests.

COURSE TEXTBOOK:

Students taking the EMT courses will be expected to obtain the textbook or electronic access to the textbook upon starting the course. They also must purchase access to the MyBradyLab for the text.

Limmer, O'Keefe, Grant, Murray, Bergeron & Dickinson (2016).
Emergency Care, 13th Edition. Brady; Pearson
ISBN-13: 9780133946086

COURSE COMPLETION REQUIREMENTS:

Students must successfully pass all administered didactic online examinations within two attempts with a minimum score of seventy percent (70%) to continue with a course. Students must successfully pass the online mid-term exam within three attempts and the final exams, both didactic and practical, with a minimum score of seventy percent (70%) to continue with the course. All didactic examinations will be online and outside of didactic hours. Students will be expected to complete exams during the allotted time. Students will be tested and must successfully pass all practical skill examinations to continue with a course, including a possible final practical exam. Students must complete all course requirements and practical requirements, and meet all the above attendance and testing requirements prior to receiving approval to participate in any National Registry of EMT testing.

Please note: Students will be responsible to scheduling their own licensure exam with either Vermont EMS or their local state EMS office.

COURSE DIDACTIC GRADIC AND GRADING SCALE:

6	Section Examinations Online	5.0 each	30 points
	Midterm Examination Online	25 points	25 points
	Final Practical Skills Exam	15 points	15 points
	Final Written Examination Online	30 points	30 points
	Total Grade		100 points

COMPORMENT / CONDUCT:

By accepting to participate in this course and signing the Participant Conduct Agreement at the start of the course, each student agrees to maintain an appropriate conduct, both within and outside the classroom that will continuously reflect professionally and positively on the course, their sponsoring agency, and EMS District Six. This includes, but is not limited to, practical sessions, clinical time, ride-

along experiences, participation with affiliated services, etc. Inappropriate conduct such as offensive language, harassment, sexual harassment, disrespect of students or instructors, or any other behaviors that reflect poorly on the student, their course, their sponsoring agency, or EMS District Six will not be tolerated. This also includes, but is not limited to, public media, the internet, or social media sites.

ACADEMIC DISHONESTY.

Academic dishonesty in any form will not be tolerated. Any student found to be academically dishonest will be immediately removed from the course. And further notification may be provided to Service administration, if applicable. Examples of academic dishonesty include, but are not limited to:

- a. Cheating in any form
- b. Falsification or forgery of any academic documents, applications, clinical evaluation, course materials, evaluations, etc.
- c. Plagiarism (including copying and pasting of electronic text into assigned work)

CLINICAL AND INTERNSHIP:

EMT students may be allowed to participate in field shadowing with an approved agency after the midterm examination. This will be coordinated through the Instructor Coordinator. Students will have specific objectives and skill totals to meet at each of the settings. Field ride-along time will be determined by skill performance and learning objectives. Students may plan accordingly with their schedules during the second half of the course to be available for a couple shifts at various times. Further details will be discussed during the course.

REGISTRATION PROCESS:

Registration begins with an EMS District Six Student Application at www.regonline.com (see website address below). Students also will be expected to sign the District Six Participant Conduct Agreement on the first night of class. Scanned copies of AHA BLS certification and NIMS training completion will be e-mailed to the instructor coordinator upon application acceptance. All applications must be received prior to September 5th, 2017. All students not in sponsored-agency areas must pay a \$50 fee upon application and the rest of the course cost my no later than September 5th. There are limited spots open for the course. The Instructor Coordinator reserves the right to ask further clarifying questions. Space in this course is limited and qualified individuals will be taken on a first-come/first-served basis until the course is filled.

Register at: www.regonline.com/VTEMSD6_2017EMT

FROM THE INSTRUCTORS: WHAT TO EXPECT

Any EMS course is a very intense but rewarding experience. As a responder there are many ways in which we could potentially harm our patients. This, along with our underlying philosophy that no patient should be further harmed (or dies) because of the responder who happens to be on shift, drives the manner in which we teach our classes. As such, the EMT course offers the rewarding experience of learning, practicing, and implementing many basic and advanced techniques and medication

administrations. And all students are expected to maintain and demonstrate the highest professional behavior and participation.

Each course will teach a wide variety of topics in EMS. We will cover illnesses and injuries; and the corresponding treatments. There will be an emphasis on understanding human anatomy and physiology, with the idea that this will improve and in many cases enable us to better understand, and therefore treat, our patients. This course requires quite a bit of commitment for studying. This course has a very high expectation of both student preparedness and performance. It expects that each student is ready and willing to give their full attention to their study of EMS. There will be a significant amount of reading and review throughout this course. Each student should plan to spend several hours a week studying and perfecting their skills and craft. Though this commitment most definitely have an impact on their daily life, it can be accomplished through hard work, great organization, and family or friend support, as long as they plan their study time well (i.e. a little bit of quality study per day).

Recent EMS students will find this approach to this class very similar to that of their previous courses. The key difference (aside from content) is our much higher expectation on the student to be fully prepared and engaged in the course. Each participant will need to plan their daily study time well, and give adequate commitment toward furthering their EMS education. This cannot be emphasized strong enough. There is an also expectation that each student conduct themselves in an adult manner at the highest caliber.

FINAL THOUGHTS:

Any EMS course is a significant investment in your EMS career and knowledge. We choose to teach this class with three primary, inter-related goals. 1) To ensure any EMS responder is properly trained and ready to deliver high quality care to a patient, with confidence, effectiveness, efficiency, and compassion; 2) to ensure the student understands and possesses the tools to work as an EMT and 3) to prepare the student both for licensure testing and those whom desire to enter an advanced course with a significant background and understanding of EMS and patient care, enabling the student to have a more efficient and productive class experience at the next level.

EMT Course Participant Conduct Agreement

All participants, includes instructors, teachers, and students, must initial each line and sign a copy of this agreement for every EMS District Six course they participate in.

- _____ I understand and support that each student can expect to receive a high-quality EMS education and training at a professional level from any EMS District Six course.
- _____ I understand and support that each participant can expect that each Instructor Coordinator and Assisting Instructor has the support of EMS District Six to provide their EMS education.
- _____ I understand and support that each student can expect that each initial, refresher, transition and NCCP course will be conducted with the course objectives and operational requirements approved by the Vermont Department of Health based upon the NHTSA National Standard Curricula or National EMS Education Standards for training at that level.
- _____ I acknowledge that I am encouraged to notify the Instructor Coordinator, and if needed, the Training Coordinator, if any of the above expectations are not being met to my satisfaction.
- _____ By accepting to participate in an EMS District Six course and signing below, I agree to maintain an appropriate conduct that will continuously reflect positively on the course, my sponsoring agency, and EMS District Six, and myself at all times, both within and outside course hours.
- _____ I acknowledge that inappropriate conduct such as offensive language, harassment, disrespect of students or instructors, or any other behaviors that reflect poorly me, my course, my sponsoring agency, or EMS District Six will not be tolerated in any manner.
- _____ I acknowledge that inappropriate conduct is not limited to the classroom. I will be expected conduct myself professionally during the length of the course, both within and outside the classroom. This includes, but is not limited to, practical sessions, clinical time, ride-along experiences, participation with affiliated services, etc. This also includes any conduct or representation that could reflect poorly upon other students, the course, the instructors, my sponsoring agency, or EMS District Six. Specifically, this includes, but is not limited to, public media, the internet, electronic communication or social media sites.
- _____ I acknowledge that academic dishonesty in any form will not be tolerated. If I am found to be academically dishonest, I know that I will be immediately removed from the course and must meet with the Instructor Coordinator. Examples of academic dishonesty include, but are not limited to:
- a. Cheating in any form
 - b. Falsification or forgery of any academic documents, applications, clinical evaluation, course materials, evaluations, etc.
 - c. Plagiarism (including copying and pasting of electronic text into assigned work)
- _____ I acknowledge that if any student or participant poorly conducts them self as outlined above, or as outlined in the EMS District Six Training Policy, will be immediately, and may be permanently, removed from any course and/or further EMS District Six participation.

Participant Signature

Date

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MIDDLESEX EMT COURSE - FALL 2017

DAY #	DATE	DAY	HRS	EMT	TOPIC
BLS Cert	11-Sep	Mon	1830-2130	3	OPTIONAL: AHA BLS Skills Verification
	13-Sep	Wed	1830-1930	1	Introduction to the Course
			0900-1030	2	Ch 1: Introduction to EMS and Health Care Systems
	20-Sep	Wed	1830-2130	3	Ch 2: The Well-being of the EMT
	23-Sep	Sat	0900-1100	2	Ch 3: Lifting & Moving Patients
			1100-1200	1	Ch 5: Medical Terminology
			1200-1500	2	Ch 4: Medical, Legal, and Ethical Issues
	27-Sep	Wed	0900-1200	3	Ch 6: Anatomy & Physiology
	4-Oct	Wed	1830-2030	2	Ch 7: Principles of Pathophysiology
			2030-2130	1	Ch 8: Life Span Development
EXAM	6-Oct	Fri 8p – Sun 11:30p			SECTION #1 ONLINE EXAM
	7-Oct	Sat	0900-1030	1.5	Ch 9: Airway Management
			1030-1200	1.5	Ch 10: Respiration and Artificial Ventilation
			1200-1500	3	LAB: Airway and Ventilation Management
	11-Oct	Wed	1830-2000	1.5	Ch 11: Scene Size-Up
			2000-2130	1.5	Ch 12: The Primary Assessment
	18-Oct	Wed	1830-2130	3	Ch 13: Vital Signs and Monitoring Devices
	21-Oct	SAT	0900-1030	1.5	Ch 14: Secondary Assessment
			1030-1200	1.5	LAB: Assessment Introduction
			1200-1330	1.5	Ch 15: Communication and Documentation
			1330-1500	1.5	Ch 16: General Pharmacology
	25-Oct	WED	1830-2130	3	Ch 17: Respiratory Emergencies
EXAM	27-Oct	Fri 8p – Sun 11:30p			SECTION #2 & 3 ONLINE EXAM
	1-Nov	WED	1830-2130	3	Ch 18: Cardiac Emergencies
	4-Nov	Sat	0900-1200	3	Ch 19: Diabetic Emergencies and Altered Mental Status
			1200-1500	3	Ch 20: Allergic Reaction
	8-Nov	Wed	1830-2030	2	Ch 21: Poisoning and Overdose Emergencies
			2030-2130	1	Ch 23: Behavioral and Psychiatric Emergencies
	15-Nov	Wed	1830-2130	3	LAB: Medical Assessment and Vital Signs
	18-Nov	Sat	0900-1030	1.5	Ch 22: Abdominal Emergencies
			1030-1200	1.5	Ch 24: Hematologic and Renal Emergencies
			1200-1500	3	LAB: Medical Assessment
EXAM	19-Nov	Sun 8a – Mon 11:30p			SECTION #4 ONLINE EXAM

	22-Nov	Wed	1830-2130	3	LAB: Medical Assessment and CPR/AED Management
	29-Nov	Wed	1830-2130	3	Ch 25: Bleeding and Shock
EXAM	1-Dec	Fri 8a – Sun 11:30p			MIDTERM ONLINE EXAM
	2-Dec	SAT	0900-1200	3	LAB: Trauma Assessment
			1200-1500	3	Ch 26: Soft-Tissue Trauma
	6-Dec	Wed	1830-2130	3	Ch 27: Chest and Abdominal Trauma
	13-Dec	Wed	1830-2130	3	LAB: Trauma Assessment; Supine Spinal;
	16-Dec	Sat	0900-1200	3	Ch 28: Musculoskeletal Trauma
			1200-1330	1.5	Ch 29: Trauma to Head, Neck, and Spine
			1330-1500	1.5	Ch 30: Multisystem Trauma
	20-Dec	Wed	1830-2130	3	LAB: Medical / Trauma Assessments; Spinal Stations
	27-Dec	Wed	1830-2130	3	Ch 31: Environmental Emergencies
EXAM	29-Dec	Fri 8a – Sun 11:30p			SECTION #5 ONLINE EXAM
	3-Jan	Wed	1830-2130	3	Ch 32: Obstetric and Gynecologic Emergencies
	6-Jan	SAT	0900-1200	3	LAB: Trauma Assessment; Seated Supine; Long-Bone; Joint
			1200-1500	3	Ch 33: Pediatric Emergencies
	10-Jan	Wed	1830-2130	3	Ch 34: Geriatric Emergencies
	17-Jan	Wed	1830-2130	3	LAB: Trauma Assessment; Seated Supine; Long-Bone; Joint
	20-Jan	Sat	0900-1200	3	Ch 35: Emergencies for Patients with Special Challenges
			1200-1500	3	Ch 36: EMS Operations
EXAM	21-Jan	Sun 8a – Mon 11:30p			SECTION #6 ONLINE EXAM
	24-Jan	Wed	1830-2130	3	LAB: Joint, Long Bone, KED Stations; Trauma stations final
	31-Jan	Wed	1830-2130	3	Ch 37: HAZMAT, MCI, and Incident Management
	3-Feb	Sat	0900-1200	3	Ch 38: Highway Safety and Vehicle Extrication
			1200-1500	3	Ch 39: EMS Response to Terrorism
	7-Feb	Wed	1830-2130	3	LAB: Full Skills and Assessments Practice
EXAM	9-Feb	Fri 8a – Sun 11:30p			SECTION #7 ONLINE EXAM
	14-Feb	Wed	1830-2130	3	REVIEW: Foundations & Medical Emergencies (Section 1 1-4)
	17-Feb	Sat	0900-1200	3	LAB: Patient Simulations & Operations Practical
			1200-1500	3	LAB: ALL Stations Review
	21-Feb	Wed	1830-2130	3	REVIEW: Trauma & Special Operations Review (Section 5-7)

EXAM	23-Feb	Fri 8a – Sun 11:30p		FINAL EXAM ONLINE
	28-Feb	Wed	1830-2130	3 LAB: ALL Stations Review
EXAM	2-Mar	Fri 8a – Sun 11:30p		FINAL EXAM RETAKE
	3-Mar	Sat	0900-1500	6 LAB: FINAL PRACTICAL EXAM
STATE				State Practical Exam

TOTAL CLASS HRS: 96
TOTAL PRACTICAL HRS: 53.5
TOTAL COURSE HRS: 149.5