

VERMONT EMS DISTRICT SIX
Advanced EMT Course – Fall / Winter, 2022
Dates: 10/3/2022 – 01/08/2023

Instructor Coordinator: Scott Bagg, RN, CEN, CPEN, NR-P, I/C
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Assistant Instructors: Addison Hall, AEMT Meghan Scott, AEMT
Stephen DeMaio, AEMT Thomas Scott, AEMT

Sponsoring Agency: Vermont EMS District Six

Course Meeting Dates & Times: Mondays: 18:00-22:00
Thursdays: 18:00-22:00
Every Other Sunday: 12:00-18:00

Course Location: Northeast Regional Safety Academy
1 Graves Street
Montpelier, VT 05602

Dates: 10/3/2022 – 01/15/2023 **Expected Licensure Exam Date:** January 15th, 2022

Course Cost: Full Initial AEMT: \$1,750

Registration Website:
<https://www.eventbrite.com/e/vt-ems-d6-2022-aemt-course-registration-335790206547>

COURSE PREREQUISITES:

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

- Completed a course Candidate Application online at the website above.
- Have and maintain a current AHA BLS certification
- Be physically willing and able to fully participate in patient care, skills, and scenarios
- Have and maintain a current National Registry EMT certification and Vermont EMT licensure
- Have a minimum one year extensive experience as an EMT, unless there is a strong recommendation from an agency's Head of Service to exempt the one year requirement.
- Have completed online ICS 100, ICS 200, & NIMS 700 training. (<https://training.fema.gov/nims/>)
- Have a recommendation from the agency Head of Service for advancement in licensure
- Be able to complete a pre-course EMT assessment exam with a minimum score of 80%

American Heart Association BLS 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 need to have completed and be current on AHA BLS. All students will need to provide electronic copies of their cards on the first night of 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 completion certificates of the first night of 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>

AEMT COURSE DESCRIPTION:

This course is required to apply for licensure as an Advanced Emergency Medical Technician (AEMT). This course introduces the advanced theory and application of concepts related to the profession of the Advanced Emergency Medical Technician (AEMT). The primary focus of the AEMT is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic and advanced knowledge and skills necessary to provide patient care and transportation. Topics include: extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, as well as the advanced assessment and management of various medical illnesses and traumatic injuries. This course is based on the NHTSA National Emergency Medical Services Education Standards.

The course will have bi-weekly didactic sessions in person on Mondays and Thursday evenings at Northeast Regional Safety Academy at 1 Graves Street, Montpelier. It will include online 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 Sunday afternoons. AEMT skill sessions and practical scenarios will be evaluated by community responders and supervised by the course faculty.

Teaching and Learning Methods:

Teaching and learning methods in this course may include, but are not limited to, assigned readings, online 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. There is use of online Zoom video conferencing as a backup to the delivery all in person didactic sessions. As such, every student must have access to internet throughout their participation in the course. This internet connection must be adequate to allow for video conferencing with course students when students cannot attend. All students will be required to have a camera to allow their face to be viewable during each lesson. Evaluation procedures include, but are not limited to, pop quizzes, online written examinations, assignments, and practical skills tests.

COURSE TEXTBOOK:

Students taking the AEMT course will need to purchase an electronic textbook. This included an electronic copy of the textbook and access to the MyBradyLab for coursework.

Alexander, M; Bell, R. (2017). *Advanced EMT: A Clinical-Reasoning Approach, 2nd Edition*. Textbook; Prentice Hall; ISBN-13: 9780134442686; www.mypearsonstore.com;
<https://www.pearson.com/store/p/advanced-emt-a-clinical-reasoning-approach/P100002480480/9780134442686>

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, either online or in person, and participate in each classroom and practical sessions, and stay the length of each class as outlined. Online didactic sessions will include students having their computer camera on their face so they can be visualized and participate.

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 watching the didactic session, completing online chapter lectures within two (2) course sessions. The IC may assign additional work, special assignments, or further assessments to ensure the student has obtained the information that they missed.

COURSE COMPLETION REQUIREMENTS:

Students will be required to complete all online work prior to attempting their examinations. These include all assigned chapters, even those not presented during the course. 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 two attempts and the final exams, both didactic and practical, with a minimum score of seventy percent (75%) to continue with the course. All 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 clinical time within ninety (90) days of the completion of the course. Students must complete all course requirements and clinical requirements, and meet all the above attendance and testing requirements prior to receiving approval to participate in any National Registry of EMT didactic testing.

COURSE DIDACTIC GRADIC AND GRADING SCALE:

49	Post-Chapter Quizzes - MyBradyLab (Drop lowest 3)	0.2 each	9.8 points
7	Section Examinations Online	5.00 each	35 points
	Midterm Examination Online	20.00 points	20 points
	Final Practical Skills Exam	8.00 points	10.2 points
	Final Written Examination Online	25.00 points	25 points
Total Grade			100 points

COMPORTEMNT / CONDUCT:

By accepting to participate in this course and signing the Participant Conduct Agreement, 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. 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)

Advanced Emergency Medical Technician Description of the Profession **National EMS Scope of Practice Model**

The Advanced Emergency Medical Technician's scope of practice includes basic and limited advanced skills focused on the acute management and transportation of critical and emergent patients. This may occur at an emergency scene until transportation resources arrive, from an emergency scene to a health care facility, between health care facilities, or in other health care settings.

For many communities, Advanced Emergency Medical Technicians provide an option to provide high benefit, lower risk advanced skills for systems that cannot support or justify Paramedic level care. This is frequently the case in rural and volunteer systems. In some jurisdictions, Advanced Emergency Medical Technicians are the highest level of out-of-hospital care. In communities which utilize emergency medical dispatch systems, Advanced Emergency Medical Technicians may function as part of a tiered response system. In all cases, Advanced Emergency Medical Technicians work alongside other EMS and health care professionals as an integral part of the emergency care team.

The Advanced Emergency Medical Technician's scope of practice includes basic, limited advanced and pharmacological interventions to reduce the morbidity and mortality associated with acute out-of-hospital medical and traumatic Emergency Medical Technicians provide care to minimize secondary injury and provide comfort to the patient and family while transporting the patient to an emergency care facility.

The Advanced Emergency Medical Technician's knowledge, skills, and abilities are acquired through formal education and training. The Advanced Emergency Medical Technician has the knowledge associated with, and is expected to be competent in, all of the skills of the EMR and EMT. The major difference between the Advanced Emergency Medical Technician and the Emergency Medical Technician is the ability to perform limited advanced skills and provide pharmacological interventions to emergency patients.

The Advanced Emergency Medical Technician is the minimum licensure level for patients requiring limited advanced care at the scene or during transportation. The scope of practice model is limited to lower risk, high benefit advanced skills that are effective and can be performed safely in an out-of-hospital setting with medical oversight and limited training.

The Advanced Emergency Medical Technician transports all emergency patients to an appropriate medical facility. The Advanced Emergency Medical Technician is not prepared to independently make emergency decisions. Emergency care is based on assessment findings. Additionally, advanced decisions are made regarding the disposition of patients. The Advanced Emergency Medical Technician serves as part of an EMS response system assuring a progressive increase in the level of assessment and care. The Advanced Emergency Medical Technician may make destination decisions in collaboration with medical oversight. The principal disposition of the patient encounter will result in the direct delivery of the patient to an acute care facility.

FROM THE INSTRUCTOR COORDINATOR: WHAT TO EXPECT

The AEMT class is a very intense but rewarding course. As an EMT there are many ways in which we could potentially harm our patients. As an AEMT or Paramedic there are many *more* ways that we could harm (or potentially worsen) our patients. This, along with my underlying philosophy that no patient should be further harmed (or die) because of the EMT who happens to be on shift, drives the manner in which we teach our AEMT classes. As such, the AEMT course offers the rewarding experience of learning, practicing, and implementing many advanced techniques and medication administrations.

The AEMT course will teach a wide variety of topics in EMS. We will dig much deeper into illness and injury and the corresponding treatments. There will be a much heavier 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 is not a paramedic course; however, it does possess an intensity that is well above that of a basic class.

This course requires significant commitment and study. We have very high expectations of both student preparedness and performance. We are looking for students that are ready and willing to give their full attention to their study of EMS. There will be a significant amount of reading and homework throughout this course. You should plan to spend several hours a week studying and perfecting your skills. Though this will have an impact on your daily life, it can be accomplished even if you work and/or have a family, as long as you plan your study time well (i.e. a little bit of quality study per day).

Recent EMT students will find this approach to the class very similar to that of your previous courses. The key difference (aside from content) is my much higher expectation on you to be fully prepared and engaged in the course. Some EMR or EMT students can get away with reading and studying a bare minimum in a basic class, and still get through. This will not be the case with AEMT. You will need to plan your daily study time well, and give adequate commitment toward furthering your EMS education.

CLINICAL AND INTERNSHIP:

Students will complete both clinical rotations at Central Vermont Medical Center and a field internship with an approved ambulance agency, which may be their home service as approved. These will be coordinated through the Instructor Coordinator and faculty. Students will have specific objectives to meet at each of the settings and with each patient contact. Skills will be documented online in Platinum Planner and preceptors will give evaluations on student performance. Both laboratory time, clinical rotation and field ride-along length of time will be determined by skill performance and learning objectives. Students should plan accordingly with their schedules to be available for multiple shifts. Further details will be discussed in the second half of the course.

FINAL THOUGHTS:

The AEMT 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 the EMT is properly trained and ready to deliver high quality advanced care to a patient, with confidence, effectiveness, efficiency, and compassion; 2) to ensure the EMT student understands and possesses the tools to work as an AEMT at the this level, with the possibility that this is the pinnacle of the student's EMS training; and 3) to prepare the student both for certification testing and licensure 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.

EMS District Six 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 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 on 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 to 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 educational 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 described in the EMS District Six Training Policy, will be immediately, and maybe permanently, removed from any course and/or further EMS District Six participation.

Participant Signature

Date

2022 VT EMS D6 - Advanced EMT Course

Date	Day	Time	Did	Lab	Exam	Ch	Chapter Name
3-Oct	MON	1800-1930	1.5			Intro	Introudction to Course
		1930-2200	2.5			2 & 3	EMS, Health Care, & Public Health // Personal Safety
6-Oct	THU	1800-2100	3.0			4	Ethical & Medical/Legal Considerations
		2100-2200	1.0			7	Medical Terminology
10-Oct	MON	1800-2200	4.0			8	Human Body Systems (Part 1)
13-Oct	THU	1800-2200	4.0			8	Human Body Systems (Part 2)
14-Oct	FRI	0800-1000			2.0	Exam	SECTION #1 EXAM
17-Oct	MON	1800-1930	1.5			9	Life Span Development & Cultural Considerations
		1930-2200	2.5			10	Pathophysiology
20-Oct	THU	1800-2200	4.0			11-12	Pharmacology / Med Administration / AEMT Meds
24-Oct	MON	1800-2200	4.0			11-12	Pharmacology / Med Administration / AEMT Meds
27-Oct	THU	1800-2200	4.0			13	IV Insertion / Medication Math
29-Oct	FRI	0800-0800			2.0	Exam	SECTION #2 EXAM
30-Oct	SUN	1200-1800		6.0		Lab	Platinum Planner / Medication Admin / IV Insertion
31-Oct	MON	1800-2200	4.0			16	Airway Management, Ventilation, & Oxygenation
3-Nov	THU	1800-2200	4.0			17	Resuscitation: Managing Shock & Cardiac Arrest
7-Nov	MON	1800-2200	4.0			20	Respiratory Disorders (Part 1)
10-Nov	THU	1800-2200	4.0			20	Respiratory Disorders (Part 2)
11-Nov	FRI	0800-0800			2.0	Exam	SECTION #3 EXAM
13-Nov	SUN	1200-1800		6.0		Lab	Airway Management, Ventilation, & Vital Signs
14-Nov	MON	1800-2200	4.0			21	Cardiovascular Disorders (Part 1)
17-Nov	THU	1800-2200	4.0			21	Cardiovascular Disorders (Part 2)
21-Nov	MON	1800-2200	4.0			22	Neurologic Disorders
25-Nov	FRI	0800-0800			2.0	Exam	SECTION #4 EXAM
28-Nov	MON	1800-2100	3.0			23	Endocrine Disorders
		2100-2200	1.0			24	Abdominal Pain & Gastrointestinal Disorders
1-Dec	THU	1800-2000	2.0			25	Renal, Genitourinary, & Gynecologic Disorders
		2000-2200	2.0			26	Hematologic Disorders
4-Dec	SUN	1200-1800		6.0		Lab	Medical Assessment & Management
5-Dec	MON	1800-2000	2.0			27	Immunologic Disorders
		2000-2200	2.0			28	Infectious Illnesses
8-Dec	THU	1800-1930	1.5			29	Nontraumatic Musculoskeletal & Soft-Tissue Disorders
		1930-2200	2.5			31	Mental Illness & Behavior Emergencies
12-Dec	MON	1800-1900	1.0			30	Disorders of the Ear, Eye, Nose, Thorat & Oral Cavity
		1900-2200	3.0			32	Toxicological Emergencies
15-Dec	THU	1800-1930	1.5			37	Head, Brain, Face and Neck Trauma
		1930-2100	1.5			38	Thoracic Trauma
		2100-2200	1.0			39	Abdominal Trauma
16-Dec	FRI	0800-0800			4.0	Exam	MIDTERM EXAM (Open through December 26th)
18-Dec	SUN	1200-1800		6.0		Lab	Medical & Trauma Assessment & Management
19-Dec	MON	1800-2000	2.0			40	Spine Injuries
		2000-2200	2.0			42	Multisystem Trauma & Trauma Resuscitation
22-Dec	THU	1800-2200	4.0			41	Environmental Emergencies
26-Dec	MON	1800-2200	4.0			43	Obstetrics & Care of the Newborn
29-Dec	THU	1800-2200	4.0			44	Pediatrics Emergencies
30-Dec	FRI	0800-0800			2.0	Exam	SECTION #5 EXAM
1-Jan	SUN	0900-1700		8.0		Lab	Simulation Scenarios
2-Jan	MON	1800-2200	4.0			45	Geriatric Emergencies
3-Jan	TUE	1800-2000	2.0			46	Patients with Special Challenges
		2000-2200	2.0			47	Rescue Opeartions & Vehicle Extrication
4-Jan	WED	1800-2200	4.0				Course Review - Sections 1-4
5-Jan	THU	1800-2200	4.0				Course Review - Sections 5-7
6-Jan	FRI	0800-0800			2.0	Exam	SECTION #6 EXAM
8-Jan	SUN	0900-1700		8.0		Lab	Psychomotor Station Practice & Testing
9-Jan	MON	0800-0800			4.0	Exam	FINAL EXAM (Open through December 26th)
			116	40	20		