**VERMONT EMS DISTRICT SIX**

**Advanced EMT Course – Fall / Winter, 2024
Didactic Dates:** 10/7/2024 – 01/12/2025

**Instructor Coordinator:** Scott Bagg, RN, CEN, CPEN, CTRN, CCRN, NR-P, I/C

 CVMC Stroke Coordinator Work – (802) 371-5964

130 Fisher Road Cell – (802) 793-3372

 Berlin, VT 05641 scott.bagg@cvmc.org

**Assistant Instructors:**  Robert Bower, NRAEMT, I/C

 Kaelee Bouleris, NRAEMT

**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:** Central Vermont Medical Center

 130 Fisher Road

 Berlin, VT 05641

**Dates:** 10/7/2024 – 01/12/2025 **Expected Course Completion:** March – May 2025

**Course Cost: Dist 6 Responder:** $1,000 (without the eText/online access - $303)

**Not in District 6:** $1,750 (without the eText/online access - $303)

**Registration Website:**

<https://www.eventbrite.com/e/vt-ems-d6-2024-aemt-course-registration-947473206867>

***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. 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.

**COURSE PREREQUISITES:**

All candidates of the course shall complete the following in order 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. Once completing the Heartcode® online course, the student must complete the hands-on portion of the class to receive an AHA BLS eCard. 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 Central Vermont Medical Center in Berlin, Vermont. 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 Navigate® online learning management software. There is use of online Zoom video conferencing as a backup to the delivery all in person didactic sessions, especially during the holidays. 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. Furthermore, documentation of skill performance will be completed in the EMCE app online.

**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 PSGLearning.com Navigate® program for coursework.

American Academy of Othropaedic Surgeons (AAOS) (2023). ***AEMT: Advanced Emergency Care and Transportation of the Sick and Injured, 4th Edition – Advantage Access.*** Textbook; Jones & Bartlett; ISBN-13: 9781284244175; $302.95 as of 8/6/2024

<https://www.psglearning.com/catalog/productdetails/9781284244175>

**COURSE ATTENDANCE POLICY:**

Students are allowed to be tardy no more than three (3) times. This includes 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:**

5 Section Examinations Online 9.00 each 45 points

 Midterm Examination Online 20.00 points 25 points

 Final Written Examination Online 25.00 points 30 points

 Total Grade 100 points

**COMPORTMENT / 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)

**CLINICAL AND INTERNSHIP**:

Students will complete both clinical rotations at Central Vermont Medical Center in the Emergency Department (minimum of 48 hours) and a field internship with an approved ambulance service (minimum of 48 hours), which may be at 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 in compliance with [Vermont EMS AEMT Student Minimum Competency Model Guidelines](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.healthvermont.gov%2Fsites%2Fdefault%2Ffiles%2Fdocument%2Feprip-association-of-state-ems-officials-minimum-competency-model-guideline.docx&wdOrigin=BROWSELINK), as developed by the NASEMSO. Skills will be documented online in EMCE 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, learning objectives, required patient contacts, age populations, required patient conditions, and required skill proficiencies. 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 and clinical rotations will occur in January to May 2025.



**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, if 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.

**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.

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Participant Signature Date

