VERMONT EMS DISTRICT SIX
Advanced EMT Course – Winter, 2018
Dates: 10/01/2018 – 03/16/2019

Instructor Coordinator: Scott Bagg, RN, CEN, CPEN, NR-P, I/C
CVMC ICU Nurse Manager Work – (802) 371-4320
130 Fisher Road Cell – (802) 793-3372
Berlin, VT 05641 scott.bagg@cvmc.org

Instructors: Keith Taylor, NR-P, I/C
(802) 342-8606
nucadet_411@yahoo.com

Michelle Franklin, NR-P (soon), I/C
(802) 224-6058
michelle.franklin@waterburyambulance.org

Sponsoring Agency: EMS District Six

Course Meeting Dates & Times: Mondays: 18:00-22:00
Thursdays: 18:00-22:00
Every Other Sunday: 15:00-19:00

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

Dates: 10/01/2018 – 03/16/2019 **Expected Licensure Exam Date:** March 16th, 2019

Course Cost: Full Initial AEMT: $1,250

Registration Website: www.regonline.com/VTEMSD6_2018AEMT

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 Healthcare Provider CPR certification
- Be physically willing and able to fully participate in patient care, skills, and scenarios
- Have and maintain a current National Registry EMT licensure
- Have a minimum one year experience as a EMT, with a recommendation of two-or-more years
- 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

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 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 lectures on Mondays and Wednesday evenings. 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 faculty.

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 us 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 AEMT course will be required to obtain the electronic textbook prior to arriving at the course. They also must purchase access to the MyBradyLab for the text.

Alexander, M; Bell, R. (2017). ***Advanced EMT: A Clinical-Reasoning Approach, 2nd Edition***. Textbook; Prentice Hall; ISBN-13: 9780134442686; www.mypearsonstore.com;
http://www.mypearsonstore.com/bookstore/advanced-emt-a-clinical-reasoning-approach-plus-mylab-9780134682426?xid=PSED

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 lectures 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.

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 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 thirty 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 testing.

COURSE DIDACTIC GRADIC AND GRADING SCALE:

49	Post-Chapter Quizzes - MyBradyLab (Drop lowest 3)	0.25 each	12 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	8 points
	Final Written Examination Online	25.00 points	25 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)

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 emergencies. 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 quite a bit of 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 this class very similar to that of your previous course. 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 will not be their home service. 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 FISDAP 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 class.

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 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 EMT 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 licensure testing and those whom desire to enter a Paramedic 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.

Date	Day	Time	Did	Lab	Exam	Ch	Chapter Name	
1-Oct	Mon	1800-1900	1.0				Introduction to Course	Section #1
		1900-2030	1.5			1	Intro to AEMT Practice	
		2030-2200	1.5			2	EMS, Health Care, & Public Health	
3-Oct	Wed	1800-1930	1.5			3	Workforce Wellness & Personal Safety	
		1930-2200	2.5			4	Ethical & Medical/Legal Considerations	
8-Oct	Mon	1800-2200	4.0			5	Ambulance Operations	
10-Oct	Wed	1800-2100	3.0			6	Communication & Teamwork	
12-Oct	Fri	0800-0800			2.0	Exam	SECTION #1 EXAM	
		2100-2200	1.0			7	Medical Terminology	Section #2
13-Oct	Sat	0800-1600		8.0		Lab	District Six EMS Exam	
15-Oct	Mon	1800-2200	4.0			8	Human Body Systems (Part 1)	
17-Oct	Wed	1800-2200	4.0				Human Body Systems (Part 2)	
22-Oct	Mon	1800-1930	1.5			9	Life Span Devevlopment & Cultural Considerations	
		1930-2200	2.5			10	Pathophysiology	
24-Oct	Wed	1800-2200	4.0			12	Medication Administration	Section #3
26-Oct	Fri	0800-0800			2.0	Exam	SECTION #2 EXAM	
28-Oct	Sun	1500-1900		4.0		Lab	Medication Administration / IV insertion	
29-Oct	Mon	1800-2200	4.0			11	Pharmacology	
31-Oct	Wed	1800-2000	2.0			13	AEMT Medications	
		2000-2200		2.0		Lab	IV Insertion	
2-Nov	Fri	0800-0800			2.0	Exam	SECTION #3 EXAM	
5-Nov	Mon	1800-2000	2.0			14	Approach to Patient Assessment / Clincal Reasoning	Section #4
		2000-2200	2.0			15	Scene Size-Up & Primary Assessment	
7-Nov	Wed	1800-2200	4.0			16	Airway Management, Ventilation, & Oxygenation	
11-Nov	Sun	1500-1900		4.0		Lab	Airway Management / Medication Administration	
12-Nov	Mon	1800-2200	4.0			17	Resuscitation: Managing Shock & Cardiac Arrest	
14-Nov	Wed	1800-2200	4.0			Lab	Resuscitation Academy - BLS	
14-Nov	Wed	1800-2000	2.0			18	Vital Signs & Monitoring Devices	
		2000-2200	2.0			Lab	Medication Administration / IV insertion	
19-Nov	Mon	1800-2200	4.0			19	History Taking, Secondary Assessment & Re-Assess	
21-Nov	Wed	1800-2200	4.0			20	Respiratory Disorders	Section #5
23-Nov	FRI	0800-0800			2.0	Exam	SECTION #4 EXAM	
25-Nov	Sun	1500-1900		4.0		Lab	Resuscitation Academy - ALS	
26-Nov	Mon	1800-2200	4.0			21	Cardiovascular Disorders (Part 1)	
28-Nov	Wed	1800-2200	4.0				Cardiovascular Disorders (Part 2)	
3-Dec	Mon	1800-2200	4.0			22	Neurologic Disorders	
5-Dec	Wed	1800-2100	3.0			23	Endocrine Disorders	
		2100-2200	1.0			26	Hematologic Disorders	
9-Dec	Sun	1500-1900		4.0		Lab	Medical Assessment & Management	
10-Dec	Mon	1800-2000	2.0			24	Abdominal Pain & Gastrointestinal Disorders	
		2000-2200	2.0			31	Mental Illness & Behavior Emergencies	
12-Dec	Wed	1800-2000	2.0			25	Renal, Genitourinary, & Gynecologic Disorders	
		2000-2200	2.0			27	Immunologic Disorders	
17-Dec	Mon	1800-2000	2.0			28	Infectious Illnesses	
		2000-2200	2.0			29	Nontraumatic Musculoskeletal & Soft-Tissue Disorder	
19-Dec	Wed	1800-1900	1.0			30	Disorders of the Ear, Eye, Nose, Throat & Oral Cavity	
		1900-2200	3.0			32	Toxicologic Emergencies	
28-Dec	Fri	0800-0800			2.0	Exam	SECTION #5 EXAM	
4-Jan	Fri	0800-0800			4.0	Exam	MIDTERM EXAM	
20-Jan	Sun	1500-1900		4.0		Lab	Medical Scenarios	

21-Jan	Mon	1800-1930	1.5			33	Trauma Systems & Incident Command	Section #6
		1930-2200	2.5			34	MOI, Trauma Assessment, & Trauma Triage Criteria	
23-Jan	Wed	1800-2000	2.0			35	Soft-Tissue Injuries & Burns	
		2000-2200	2.0			36	Musculoskeletal Injuries	
28-Jan	Mon	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	
30-Jan	Wed	1800-2000	2.0			40	Spine Injuries	
		2000-2200	2.0			42	Multisystem Trauma & Trauma Resuscitation	
3-Feb	Sun	1500-1900		4.0		Lab	Trauma Assessment & Management	
4-Feb	Mon	1800-2200	4.0			41	Environmental Emergencies	
6-Feb	Wed	1800-2200	4.0			43	Obstetrics & Care of the Newborn	Section #7
8-Feb	Fri	0800-0800			2.0	Exam	SECTION #6 EXAM	
11-Feb	Mon	1800-2200	4.0			44	Pediatric Emergencies	
13-Feb	Wed	1800-2200	4.0			45	Geriatrics	
17-Feb	Sun	1500-1900		4.0		Lab	Trauma Scenarios / Skill Stations	
18-Feb	Mon	1800-2030	2.5			46	Patients with Special Challenges	
		2030-2200	1.5			47	Rescue Operations & Vehicle Extrication	Sect. #8
20-Feb	Wed	1800-2000	2.0			48	Hazardous Materials	
		2000-2200	2.0			49	Response to Terrorism & Disasters	
22-Feb	Fri	0800-0800			2.0	Exam	SECTION #7 & 8 EXAM	
25-Feb	Mon	1800-2200	4.0				Course Review - Sections 1-4	
27-Feb	Wed	1800-2200	4.0				Course Review - Sections 5-7	
3-Mar	Sun	1500-1900		4.0		Lab	Simulation Scenarios	
4-Mar	Mon	1800-2200		4.0		Lab	Medical & Cardiac Stations Practice	
6-Mar	Wed	1800-2200		4.0		Lab	Trauma & Skill Station Practice	
8-Mar	Fri	0800-0800			4.0	Exam	DIDACTIC FINAL EXAM	
11-Mar	Mon	1800-2200		4.0		Lab	Practical Final Exam - Part 1	
13-Mar	Wed	1800-2200		4.0		Lab	Practical Final Exam - Part 2	
16-Mar	Sat	0800-1700					State Practical Exam	