

LVRs EMT Course Syllabus – October 12, 2026 – March 15, 2027

This course shall be a hybrid of self-directed learning and in person training. The class will meet at the Londonderry Volunteer Rescue Squad - 6068 Route 100 Londonderry, VT. In person training will be on all Mondays from 1800-2100 plus one weekend day a month unless otherwise noted.

General Requirements:

- Cost of Course: \$750.00.
- Payment is required at the time of receiving a textbook
- Students shall supply their own blood pressure cuff and stethoscope.
- Students shall keep a detailed portfolio of their clinical experiences.

Course expectations:

- Students will come to class prepared with the textbook assignment read, chapter tests done, any other assignments completed before class.
- Class time lectures and activities will NOT cover all the material that the book covers. Lectures will highlight key points, help to reinforce and integrate the material and review questions from students.
- Each Monday night will have a quick review of the textbook assignments then move to critical thinking skills and hands-on training.
- In general classes will not be cancelled because of weather – this course is meant for those who are planning on working in emergency services, which means you will not have the option of not responding because of weather. Class may be cancelled by the instructor via email in extreme weather conditions or other emergencies.
- 100% Attendance is required unless prior arrangements have been made with the instructor. If a student has been excused from a class it is the student's responsibility to make up the material missed, unless prior arrangements with the instructor for assistance.
- Students need to be able to read, use a computer and perform the psycho-motor skills both to take the NREMT certification exam and to do the job. If a student needs accommodations, the instructor needs to know prior to the first class.
- Applicants are required to submit a letter of recommendation from their head of service, or two letters of personal recommendation stating that they are prepared to participate in a self-directed EMT course.

All evening classes are on Mondays from 1800-2100 (6:00 pm - 9:00pm). Please be there early so we can start on time. There may be some modifications to this schedule as we progress – there may be several extra nights or an extra weekend day in case we need extra time for any particular part.

Weekend classes will be on one Saturday a month from 08:00 – 16:00 and are also required. Particular days will be decided at the first Wednesday Class as a group.

The text book is Fifteenth Edition Emergency Care by Daniel Limmer | Michael F. O'Keefe. Copyright 2027 by Pearson Education Inc. ISBN 10: 0-13-833981-3 ISBN 13: 978-0-13-833981-4

The reading needs to be done before each class – students also need to do the

chapter pretests and assignments on line before each class.

Clinicals:

Part of the requirements for the Emergency Medical Technician is supervised clinical experiences. This clinical experience is done either in an Emergency Department or on ambulance calls. Because LVRS call volume is low (generally about 600 calls a year) and because many of those calls do not require the clinical skills that students need to practice, it is necessary to have clinical time in an Emergency Department. LVRS has clinical agreements with Springfield Hospital ED (SHED), Grace Cottage Hospital, Northern Berkshire EMS. Students can do their clinicals with any of those organizations. Students must pass background checks, sign documents and follow the rules and requirements of each participating organization.

Students must be affiliated with a rescue squad in the State of Vermont to take the course and do clinicals. They must have their head of service sign an affidavit that states that the student is affiliated with the squad, is in good standing and is covered by that squad's workers comp and liability insurance. Students without an affiliation can apply to LVRS for student membership with LVRS. They will be required to pass background checks, be interviewed by the membership committee and be approved for student membership by the membership committee and the instructor in order to be approved take the course and do the required clinicals.

The primary instructor for this course will be responsible for making sure all students have reviewed the HIPPA information, the codes and appropriate responses, have documented their vaccinations, and any other information that the Emergency Department Manager would like done before the student arrives in the ED. The students will all have reviewed infection control procedures, correct donning and doffing of masks, goggles, gowns, gloves, and correct handwashing procedure.

All students will be aware of appropriate clothing for working in the ED as specified by the ED Manager, and will know that they need to report to the charge nurse when they arrive in the department. The charge nurse will provide the student with a student ID badge for the time he/she is in the department and will assign a nurse to supervise the student. Before the students start their clinical time in the ED, they will have been instructed on and demonstrated the skills they will be practicing in the ED.

The students will be expected to perform (and record in their portfolios) the following in the ED or on the Ambulance to complete the course.

- Spend at least (16) hours in the ED.
- Assist with moving patients
- Assess (10) adult and (3) pediatric patients with one of the following problems: respiratory, cardiac, altered mental status diabetic emergency, fever of unknown origin, sepsis, psychologic crisis, trauma of various kinds, or any other particularly interesting cases. Record their assessments in their portfolio.
- Listen to (20) patients' lung sounds
- Administer at least (4) UDN, listening to lung sounds before and after.
- Assist with CPAP or BIPAP and listen to (2) PT's lung sounds before and after treatment.

- Administer at least (4) medications via the IM route (as the students will be able to administer 1:1000 epinephrine for anaphylaxis) and (2) medications via SL route (as the students will be able to assist with nitro). If the medications that are part of the EMT scope of practice are not available to administer when the student is doing ED time, the student may get the experience with the routes by administering other medications under the direct supervision of a nurse.
- Participate in codes.
- Work with the supervising nurse on anything that the nurse suggests
- Keep a record of what skills they have done and a narrative about each patient assessment.
- Be a great ambassador for LVRS education, help staff with cleaning and preparing rooms and be willing to do any task that is asked of them.

If there is any issue with any of the students, the ED Manager or an ED charge nurse will contact the instructor within 24 hours so that the instructor can follow up and address the issue directly with the student.

Schedule:

10/12 – Welcome, introductions, outline of course expectations. Vermont EMS Student Manual. Scope of Practice, EMS systems. Chapter 1 – Introduction to EMS. Chapter 2 – Well Being of the EMT. Chapter 3 – Lifting and Moving Patients). Practical: Lifting & Moving Patients. Assign weekend course dates.

October Weekend Day TBD: 0800 – 1600 – All Vital Signs, Pulses, Lifting and moving Patients. Radio Use. Scene Management.

10/19: – Chapter 4: Medical, Legal and Ethical Issues. Chapter 5: Medical Terminology. Practical: Vital Signs, Pulse points, Blood Pressure, Respirations.

10/26: Chapter 6: Anatomy and Physiology. Chapter 7: Principles of Pathophysiology. Chapter 8: Life Span Development. Practical: No Practical

11/2: Chapter 9: Airway Management. Chapter 10: Respiration and Artificial Ventilation. Chapter: 11 Scene Size-Up. Practical: Airway management. O2, Nasal Cannula, NRB, Adjuncts, Suctioning.

11/9: Chapter 12: Primary Assessment. Chapter 13: Vital Signs and Monitoring Devices. Chapter 14 Principles of Assessment. Practical: BVM Ventilation of an Adult Apneic Patient. Primary assessment

November Weekend Day TBD: 0800-1600. Patient Assessment, Medications, Vital Signs, O2 Station, BVM Station.

11/16: Chapter 15: Secondary Assessment. Chapter 16: Reassessment. Chapter 17 Communication and Documentation. Practical: Medical station.

11/23: No Class before Thanksgiving.

11/30: Chapter 18: General Pharmacology. Chapter 19: Respiratory Emergencies. Chapter 20: Cardiac Emergencies. Practical: Cardiac Arrest Management /AED. High performance CPR. CPAP

December Weekend Day TBD: 0800 – 1600. Patient Assessments, Medical, Glucometer, Medications, IM Injections, BVM Station, CPAP, CPR Station, Bleeding & Shock Station.

12/7: Chapter 21: Resuscitation. Chapter 22: Diabetic Emergencies and Altered Mental Status. Chapter 23: Allergic Reaction. Practical: IM Medications, Oral Glucose, Medical Station.

12/14: Chapter 24 Infectious Diseases and Sepsis. Chapter 25: Poisoning and Overdose Emergencies. Chapter 26 – Abdominal Emergencies. Practical: Medical station. Sepsis. Shock

12/21: Chapter 27: Behavioral and Psychiatric Emergencies and Suicide. Chapter 28: Hematologic and Renal Emergencies. Chapter 29: Bleeding and Shock. Practical: Trauma, Shock management.

12/28: No Class

January Weekend Day TBD: 0800 – 1600. Trauma Assessment. Medical Assessment. Splinting: Long Bone, Joint Immobilization, Traction Splinting.

1/4: Chapter 30: Soft Tissue Trauma. Chapter 31: Chest and Abdominal Trauma. Chapter 32: Musculoskeletal Trauma. Practical: Trauma stations

1/11: Chapter 33: Trauma to the Head, Neck and Spine. Chapter 34: Multi system Trauma. Chapter 35: Environmental Emergencies. Practical: Trauma stations.

1/18: Chapter 36: Obstetrics and Gynecologic Emergencies. Chapter 37: Emergencies for Patients with Special Challenges. Practical: Medical stations

1/25: Chapter 38: EMS Operations. Chapter 39: Hazardous Materials, Multiple-Casualty Incidents and Incident Management. Chapter 40: Highway Safety and Vehicle Extrication. Practical: Medical, IM Medications, Anaphylaxis (AEMT Station with Epi)

February Weekend Day TBD: 0800 – 1600. Sim Mom – Childbirth & Neonatal Resuscitation. CPR-AED Station. 02 & BVM Station. Bleeding & Shock Station.

2/1: Chapter 41: EMS Response to Terrorism. Practical: Ready for Review Questions as a Group.

2/8: Practical – All Stations. Emphasis on Student needs.

2/15: Final Review: Emphasis on Student needs. Ready for Review Questions as a Group.

2/22: No Class: School Vacation.

March Weekend Day: 0800-1600 - Practical – All Stations. Emphasis on Student needs.

3/1: Fisdap Written Exam #1

3/8: Final: Practical Testing

3/15: Fisdap Written Exam #2 – Course Final Exam

Sign-up for NREMT EXAM