



Life Safety INSTITUTE

NH-EMT-12 Syllabus

School Information

Life Safety Institute LLC d/b/a Life Safety Institute
904 Hanover St, Unit 3, Manchester, NH 03104
(800) 365 - 4277

Program Location

Dartmouth College

Berry Hall (Carson Room 60 & Carson 61)
6181 Collis Center, Hanover, NH 03755

Program Information

This EMT program has been designed upon request for Dartmouth College - Dartmouth EMS.

Start Date: 11/27/2023

End Date: 12/15/2023

Class Time(s): 9 am - 5 pm (Lunch 12 - 1 pm)

EMT CREF: 2323EMT5937

This program consists of 105 classroom hours, 12 clinical hours, and a significant “homework” component.

EMT Program Director

Drew Toma, BS, NRP I/C (50431)
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Equal Opportunity Statement

Life Safety Institute does not discriminate based on age, sex, religion, race, or ethnic group in the administration of its educational policies, admission policies, or other administration programs.

Program Description

Emergency Medical Technicians provide out-of-hospital emergency medical care and transportation for critical and emergent patients who access the

emergency medical services (EMS) system. EMTs have the basic knowledge and skills necessary to stabilize and safely transport patients ranging from non-emergency and routine medical transports to life-threatening emergencies. Emergency Medical Technicians function as part of a comprehensive EMS response system, under medical oversight. Emergency Medical Technicians perform interventions with the basic equipment typically found in an ambulance. Emergency Medical Technicians are a critical link between the scene of an emergency and the health care system.

Program Textbook

Emergency Care, 14th Edition

<https://www.pearson.com/en-us/subject-catalog/p/emergency-care/P200000001418>

Online Learning Platform

<https://learn.lifesafety.org>

Program Completion Requirements

Students have 60 days after the last class to complete all remaining program completion requirements (i.e. clinical and pass predicted status). Students who have not met the graduation requirements after the 60th day and without an approved extension will be considered to have failed this program.

- Submit All Assignments With Work Done
- Minimum Score of 80% on all Chapter Questions
- 80% Interchange Session Attendance
- 100% Clinical Attendance with All Required Skills Completed
- Valid AHA Basic Life Support (BLS) Provider Certification
- ICS 100
- ICS 700

- HAZMAT Awareness (or higher)
- EMTPrep: Pass predicted status (85% in all categories with over 1,000 questions attempted)

Interchange Sessions

We have updated our use of the term lecture with interchange. The term lecture implies unidirectional education where you are expected to listen without engagement. Students are provided semi-weekly interchange sessions where instructors will present relevant information, ask inquiry questions, and engage with students in creative ways to encourage learning.

Cancellations

Cancellations happen for any number of reasons, often weather or safety-related. Should a class be canceled your lead instructor will provide you with updates.

Respect

Students will be respectful of all other students, staff, equipment, and preceptors. No deviation is permitted. Any deviation will result in immediate separation from the program. Students separated for disrespect will not be welcomed back.

Uniform Policy

Students are expected to wear their school issued shirts to all in-person functions. Before being issued a school uniform shirt students should dress business casual. Professional behavior and appearance are required at all times.

In addition to school issued shirts, students are to wear:

- Black/Navy Blue pants (no jeans)
- Closed-toed shoes
- Occasionally steel-toed boots are required

Academic Dishonesty

Academic dishonesty of any kind will result in immediate separation from the program.

New Hampshire Bureau of EMS

The New Hampshire Bureau of EMS (BEMS) [<https://www.nh.gov/safety/divisions/fstems/ems>] is one of the three bureaus that make up the Division of Fire Standards and Training & Emergency Medical Services. The ultimate goal of the Bureau of EMS is to improve patient safety and high-quality out-of-hospital emergency care for everyone in New Hampshire. Students with grievances should refer to and follow the grievance policy outlined in the policy manual. Students should also be aware of their ability to communicate directly with BEMS regarding any EMS-related topics including the education provided by Life Safety Institute LLC.

Justin Romanello, Bureau Chief - justin.s.romanello@dos.nh.gov
Dave Simpson, EMS Operations - david.m.simpson@dos.nh.gov

Learning Objectives

- Applies knowledge of the EMS system, safety/well-being of the EMT, medical/legal and ethical issues to the provision of emergency care.
- Applies knowledge of the anatomy and function of all human systems to the practice of EMS.

- Uses anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.
- Applies knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.
- Applies knowledge of life span development to patient assessment and management.
- Applies knowledge of the principles of public health epidemiology including public health emergencies, public health monitoring, health promotions and illness and injury prevention.
- Applies knowledge of the medications the EMT may administer to a patient during an emergency and chronic or maintenance medications the patient may be taking.
- Applies knowledge of anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation and respiration for patients of all ages.
- Applies scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history and reassessment) to guide emergency management.
- Applies knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
- Applies knowledge of the causes, pathophysiology and management of shock, respiratory failure or arrest, cardiac failure or arrest, termination of resuscitative efforts and post resuscitation management.
- Applies knowledge of growth, development and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

- Knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

Clinical

EMT students are required to complete 10 patient assessments and 12 hours in a clinical setting. Students will not be marked complete from the program if they do not complete their 10 patient assessments and 12 hours. Students are encouraged to perform more than the prescribed minimum.

Students will not be cleared for clinical until attending clinical orientation.

Clinical sites are required to be approved by the State of New Hampshire Bureau of EMS prior to the start of any program. Suggestions and requests for clinical sites are allowed, ideally before the start of class. A list of clinical affiliation sites may be viewed by visiting:

<https://lifesafety.org/clinical-affiliations>.

Clinical sites set their entrance requirements; most clinical sites require:

- A clean background check
- Flu vaccine
- A COVID-19 vaccine
- Negative 2-step Tuberculin Skin Test or health care provider documentation medical clearance
- Completed Hepatitis B immunization series with laboratory-confirmed positive antibody or signed waiver
- Varicella immunity: documentation of 2 vaccine doses, lab-confirmed immunity, or health care provider diagnosis of disease
- Rubeola immunity: documentation of 2 vaccine doses or lab-confirmed immunity
- Mumps immunity: documentation of 2 vaccine doses or lab-confirmed immunity

- Pertussis vaccine (e.g. documentation of single dose Tdap or Dtap)

Schedule

Chapters found in the assignments column are to be reviewed and chapter questions answered in the Canvas with a 80% or better.

Date	AM Session (9 - 12)	PM Session (1 - 5)	Assignments
11/27/2023	<ul style="list-style-type: none"> • Orientation • Medical Terminology • Anatomy & Physiology 	<ul style="list-style-type: none"> • BLS Provider 	<ul style="list-style-type: none"> • Chapters 5, 6 • Medical Terminology Project
11/28/2023	<ul style="list-style-type: none"> • Medical, Legal, and Ethical Issues • Communication and Documentation 	<ul style="list-style-type: none"> • Principles of Pathophysiology • Life Span Development 	<ul style="list-style-type: none"> • Chapters 4, 7, 8, 17
11/29/2023	<ul style="list-style-type: none"> • General Pharmacology • EMS Response to Terrorism 	<ul style="list-style-type: none"> • Well-Being of the EMT • Infectious Disease and Sepsis 	<ul style="list-style-type: none"> • Chapters 2, 18, 24, 41 • Oxygen Project
11/30/2023	<ul style="list-style-type: none"> • Lifting & Moving • Scene Size-Up • Hazardous Materials, MCI, Incident Management 	<ul style="list-style-type: none"> • Lifting & Moving Lab • Scene Size-Up Lab • Vital Signs & Patient Monitoring Lab 	<ul style="list-style-type: none"> • Chapters 3, 11, 39 • Albuterol Project
12/1/2023	<ul style="list-style-type: none"> • Introduction to EMS • EMS Operations 	<ul style="list-style-type: none"> • Vital Signs & Patient Monitoring Lab • Blood Glucose Monitoring • 12 Lead Placement • BLS Review 	<ul style="list-style-type: none"> • Chapters 1, 38 • Diastat Project
12/4/2023	<ul style="list-style-type: none"> • Principles of Assessment • Primary Assessment • Trauma to the Head, Neck, and Spine 	<ul style="list-style-type: none"> • Secondary Assessment • Emergencies for Patients with Special Challenges 	<ul style="list-style-type: none"> • Chapters 12, 14, 15, 33, 37 • Nitroglycerin Project

Date	AM Session (9 - 12)	PM Session (1 - 5)	Assignments
12/5/2023	<ul style="list-style-type: none"> • Airway Management • Respiration and Artificial Ventilation 	<ul style="list-style-type: none"> • Airway Management Lab • Supraglottic Airway Lab • CPAP Lab 	<ul style="list-style-type: none"> • Chapters 9, 10 • Aspirin Project
12/6/2023	<ul style="list-style-type: none"> • Vital Signs and Monitoring Devices • Obstetric and Gynecologic Emergencies 	<ul style="list-style-type: none"> • Childbirth Lab • Medication Administration Lab • Airway Management Lab 	<ul style="list-style-type: none"> • Chapters 13, 36 • Oral Glucose Project
12/7/2023	<ul style="list-style-type: none"> • Respiratory Emergencies • Allergic Reactions 	<ul style="list-style-type: none"> • Airway Management Lab • Skill Review 	<ul style="list-style-type: none"> • Chapters 19, 23 • Epinephrine Project
12/8/2023	<ul style="list-style-type: none"> • Cardiac Emergencies • Abdominal Emergencies 	<ul style="list-style-type: none"> • Patient Assessment Lab • Clinical Orientation 	<ul style="list-style-type: none"> • Chapters 20, 26 • Naloxone Project
12/11/2023	<ul style="list-style-type: none"> • Diabetic Emergencies and AMS • Poisoning and Overdose 	<ul style="list-style-type: none"> • Simulation • Skill Review 	<ul style="list-style-type: none"> • Chapters 22, 25 • Activated Charcoal Project
12/12/2023	<ul style="list-style-type: none"> • Behavioral and Psychiatric Emergencies and Suicide • Hematologic and Renal Emergencies 	<ul style="list-style-type: none"> • Trauma/Splinting Lab • Skill Review 	<ul style="list-style-type: none"> • Chapters 27, 28 • Acetaminophen Project
12/13/2023	<ul style="list-style-type: none"> • Bleeding and Shock • Soft-Tissue Trauma 	<ul style="list-style-type: none"> • STOP THE BLEED Lab • Trauma/Splinting Lab 	<ul style="list-style-type: none"> • Chapters 29, 30
12/14/2023	<ul style="list-style-type: none"> • Chest and Abdominal Trauma • Musculoskeletal Trauma 	<ul style="list-style-type: none"> • Psychomotor Prep • Simulation 	<ul style="list-style-type: none"> • Chapters 31, 32

Date	AM Session (9 - 12)	PM Session (1 - 5)	Assignments
12/15/2023	<ul style="list-style-type: none"> • Multi-System Trauma • Environmental Emergencies 	<ul style="list-style-type: none"> • Psychomotor Prep • Simulation 	<ul style="list-style-type: none"> • Chapters 34, 35