



Louisiana State Police
Hazardous Materials Training Program



Course Syllabus

Course Title: Advanced Hazardous Materials Technician

Course Duration: 40 Hours

Course Prerequisites: Hazardous Materials Technician (40 hours)

Course Fee: Covered by PHMSA's HMEP Grant for Louisiana First Responders

Course Description:

Hazardous Materials Advanced Technician (40 hours)

The Advanced Hazardous Materials Technician course prepares Technician-level responders for advanced Hazardous Materials response. This 40-hour course, based on NFPA® 470: Standard for Hazardous Materials/Weapons of Mass Destruction Standard for Responders and NFPA® 1072 and 472 standards, provides the essential knowledge, skills, and abilities to operate offensively or defensively at an incident involving the release of hazardous materials. The objectives of the course are to teach participants: basic Hazmat chemistry, to classify, identify, and verify known and unknown material by using field survey instruments and equipment; to be able to perform advanced control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available along with specialized mitigation techniques for railway tank cars and highway cargo tanks. This course also meets or exceeds OSHA 29 CFR 1910.120(q).

Textbook:

Hazardous Materials Managing the Incident, Jones & Bartlett Learning, Fifth Edition.

Personal Protective Equipment:

All necessary Personal Protective Equipment for this course will be provided. Medical monitoring will be performed as needed prior to any training field activities. Medical monitoring must show a student's blood pressure to be below the NFPA 1582 Stage 2 Hypertension standard (i.e., systolic pressure greater than or equal to 160 mm Hg or diastolic pressure greater than or equal to 100 mm Hg). Students who cannot meet this standard will not be allowed to participate in training field activities which are required to complete the course.

Course Requirements:

- Have obtained a medical evaluation in accordance with the Respiratory Protection Standard, 29 CFR 1910.134. Each student **MUST** have a letter from their supervisor OR a copy of a medical certificate that clearly states that a medical evaluation has been completed and that the student is medically able to wear respiratory protection equipment.

- Be capable of lifting tools and equipment up to approximately 50 pounds, per the Occupational Safety and Health Administration.
- Be capable of standing and walking for prolonged periods.
- Be capable of donning, operating in, and doffing personal protective equipment to include being physically and mentally capable of wearing a respirator that conforms tightly to the face and/or equipment that encapsulates the head.
- Be capable of operating in confined spaces.
- Be capable of climbing stairs and/or ladders while wearing personal protective clothing and self-contained breathing apparatus.

Lodging:

Lodging is provided at the Joint Emergency Services Training Center (JESTC) Staff Development Center at no cost for students who reside outside of 50 miles from the training site.

Meals:

Due to the remote location of JESTC, lunch is provided for all students and additionally breakfast is provided for students who require lodging at the Staff Development Center.

PLEASE NOTE: NIGHT MEALS WILL BE THE RESPONSIBILITY OF THE STUDENT

Course Policies:

Attendance Policy:

The LSP Hazardous Materials Training Program requires students to attend (100%) or make up all course content that leads to course completion. Students are expected to attend on time and to remain in class for the duration of the course. Students must complete all portions of the course, both classroom and practical, to be eligible to receive their certificate of completion.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor. The student must make up the specific course content that was missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster.

Cancellation Policy:

All notices of student cancellation shall be made in a timely manner to LSP_HAZMATtraining@la.gov. Failure to provide sufficient notification of cancellation may affect an agency's access to future training opportunities.

Safety Policy:

Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in the LSP Hazardous Materials Training Program Student Safety Manual. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy:

The Hazardous Materials Training Program has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation is grounds for immediate dismissal from the course.

Grading Policy:

Participants must score at least an 80% on the final written examination and successfully complete all job performance competencies to obtain a certificate of course completion. Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. Requests for accommodations for disabilities will be considered on a case by case basis once adequate documentation of the disability and of the need for the specific accommodations requested have been provided. Accommodations which would alter essential elements of the program will not be granted.

Retesting:

If a student fails to pass a written exam or successfully complete all job performance competencies, the student is allowed one retest. If the student is unsuccessful in the retest, the entire course must be repeated. Retesting takes place on set dates at the Hazardous Materials Training facility. More information can be obtained from the course instructor.

Evaluation Strategy:

Written homework and practical skills testing are completed throughout the course. A written test and final practical incident are conducted at the completion of the course. In addition, several simulated evolutions and tabletop scenarios are used throughout the course.

