



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

January 2001

Revised 1/06

**Course Title:** Basic Life Support and Hazardous Materials Response (NFA)

**Course Code:** HMBLS

**Length of Course:** 16 hours

**Lecture /Lab Breakdown:** 12/4

**Prerequisites:** Fire Service personnel –ELIS or certification by PA DOH Bureau of EMS at some provider level.

**Course Goal:** This course is designed to stress the toxicological aspects associated with responding to hazardous materials incidents for emergency medical responders.

**Description of Course:** This course will emphasize critical concerns for emergency medical responders at a hazardous materials incidents. Elements of this course include safety issues for emergency medical service, hazardous materials response personnel: managing contaminated victims requiring emergency medical assistance: decontamination and treatment procedures of a basic life-support nature: and transportation and receiving facilities.

**Description of Methodology to be used (brief)** Combination of lecture, audiovisual presentation, and class participation

**Student Equipment /Supply Needs:** Student manual and note taking material if desired

**Equipment /Audiovisual/Supply requirements:** Classroom, chalkboard, flipchart and markers, slide projector, overhead projector (optional) VCR, and television, course materials including slides and VHS tape

### COURSE OUTLINE (General – Not Detailed)

Time	Content	Instructor Notes
1 hr 20 min	Unit 1 – Registration, introduction, course overview	
1 hr 5 min	Unit 2 – The Hazardous Materials Problem	
1 hr 30 min	Unit 3 – Standard Of Care	
1 hr 35 min	Unit 4 – Toxicology	
50 min	Unit 5 – On site Medical Surveillance	
2 hr 5 min	Unit 6 – Risk vs. Benefit	
2 hr 35 min	Unit 7 – Basic Concepts	
50 min	Unit 8 – Ingestion Injuries	
45 min	Unit 9 – Dermal Toxicology	

**COURSE OUTLINE continued  
(General – Not Detailed)**

<b>Time</b>	<b>Content</b>	<b>Instructor Notes</b>
2 hr 15 min	Unit 10 – Systemic Toxicology	
45 min	Final Exam	

**Competency Evaluation Mechanism (Brief description-attach copy):** Written examination, instructor\_evaluation during group exercises.

**Course Objectives (specific)** The student will:

1. Understand and analyze the problems of hazardous materials.
2. Interpret the clues and identify the mechanisms of harm.
3. Learn the use of personal protective equipment used in decontamination.
4. Understand the levels of involvement in a hazardous materials incident.
5. Understand the standard of care issues in a hazardous materials incident.
6. Learn the toxic affects on various parts the human body from hazardous materials.
7. Understand the importance of pre and post medical exams on responders at a hazardous materials incident.
8. Understand the importance of prior arrangements with hospitals in the event of a hazardous materials incident
9. Learn different decontamination considerations involving patient care
10. Understand the “Risk Versus Benefit” concept in a hazardous materials incident.
11. Participate in table-top activates relating to hazardous materials incidents
12. Participate in hands-on scenarios involving hazardous materials

**Questions/Comments: Contact the Curriculum Specialist**