



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

May 2002

**Last Revision:**

**Course Title:** Bloodborne Pathogens and Infectious Disease

**SFA Course Code:** BIDA

**Course Length:** 4.5 hours

**Lecture/Lab Breakdown:** 4.5/0

**Prerequisites:** None

**Referenced Text(s):** ESCG (VFIS) instructor's Guide for the course in question

**Course Goal:** This course, which meets the intent of applicable Federal regulations, will provide emergency responders with awareness-level information on blood-borne pathogens and other infectious diseases that may be encountered in the emergency response environment.

**Course Description:** Any emergency responder, regardless of their location or branch of service, may be exposed to blood-borne pathogens and infectious diseases (such as Hepatitis C or HIV) in the course of their duties. In addition, the role of responders as "America's Domestic Defenders", places them at risk to exposure as a consequence of a WMD terrorist incident. This course provides basic information on the diseases themselves and routes of exposure as well as precautions needed to minimize or eliminate risk and regulatory requirements.

**Description of Methodology:** Lecture and small group activity

**Student Equipment & Supplies:** Pen/Pencil and notebook; one copy of the Student manual for the course in question

**Equipment/Audiovisual/Facility/Supply Requirements:** Classroom w/usual amenities; Instructor Kit for course in question; computer projection equipment compatible with Powerpoint©; suitable screen; easel chart, pads, and markers; one copy of Student Manual for course in question per student (Manual must remain in possession of the student at conclusion of the class.)

**Special Notes & Conditions:** Recommended maximum class size: 30

(continued)

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**Course Outline**

| <b><u>Time</u></b> | <b><u>Topic</u></b>                                | <b><u>Notes</u></b> |
|--------------------|--|---------------------|
| :30                | Registration & Pre-Quiz                            |                     |
| 1:00               | Chapter I – Infectious Diseases                    |                     |
| 1:00               | Chapter II – the Diseases                          |                     |
| 1:00               | Chapter III – Exposure and Exposure Control Plans  |                     |
| :30                | Chapter IV - Laws, Standards, Rules and Guidelines |                     |
| :30                | Summary, Post-Quiz, Course Evaluation              |                     |

**Competency Evaluation Mechanism:** Pre- and-post quiz supplied with instructor materials.

**Learning Outcomes (Behavioral Objectives):** Upon completion of this course, the student will be able to correctly:

1. Differentiate and define the terms:
  - a. infectious disease
  - b. blood-borne pathogen
2. Identify circumstances where universal precautions should be used.
3. Describe when and how decontamination procedures should take place.\
4. Identify methods of transmission, signs, symptoms, and, if they exist, pre- and post- exposure prophylaxis and counseling for:
  - a. Hepatitis A, B, and C;
  - b. HIV infection/AIDS;
  - c. Tuberculosis (TB);
  - d. Meningococcal disease;
  - e. Viral Hemorrhagic Fevers
  - f. Gonorrhea, Syphilis, Chlamydia
  - g. Measles, Mumps, Rubella ;
  - h. Influenza
5. List behaviors that increase the risk of exposure to bloodborne pathogens.
6. Recognize the names of the commonly-prescribed AIDS medication.
7. Name risk factors for exposure to tuberculosis.
8. Demonstrate exposure preparedness by identifying personal and employment issues to determine if a bloodborne pathogen exposure occurs.
9. Define “significant exposure”.
10. Identify the options regarding treatment and counseling for an exposure.
11. Identify rights to confidentiality:
  - a. the responder’s rights;
  - b. the patient’s rights;
  - c. the employer’s rights

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**Questions/Comments: Rita Wessel, Curriculum Specialist: Extension 106  
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