

ALABAMA FIRE COLLEGE AND PERSONNEL STANDARDS & EDUCATION COMMISSION



COURSE SYLLABUS

Hazardous Materials/WMD: Awareness FSC 168

8 clock hours (minimum)

PREREQUISITES

- 18 years of age
- The candidate must meet the medical and physical fitness requirements and medical surveillance program of the authority having jurisdiction
- IS 100.c – Introduction to the Incident Command System
- IS 200.c – Basic Incident Command System for Initial Response
- IS 700.b – National Incident Management System (NIMS), An Introduction
- IS 800.c – National Response Framework, An Introduction

REQUIRED COURSE MATERIALS

- ***AFC Awareness Student Manual***
- 2024 DOT *Emergency Response Guidebook*
 - **Available for purchase from the Alabama Fire College Bookstore**
 - Available digitally from the USDOT at <https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2024-04/ERG2024-Eng-Web-a.pdf>
- FEMA *Emergency Response to Terrorism Job Aid – Edition 2.0 (Recommended)*
 - Available from the AFC at <https://www.alabamafirecollege.org/wp-content/uploads/fema-job-aid-2.0-color.pdf>

DESCRIPTION

This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency at an awareness level and are expected to recognize the presence of hazardous materials, protect themselves, secure the area and call for trained personnel, consistent with the competencies recommended by NFPA 470 and supplemented by information from government agencies such as the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), and the Department of Transportation (DOT).

STUDENT LEARNING OBJECTIVES

- Introduction to Hazardous Materials - The purpose of this module is to discuss relevant Federal hazardous materials response policies, the National Fire Protection Association® (NFPA®) *470-2022 Ed.: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders* awareness-level competencies, define hazardous materials and define weapons of mass destruction.
- The DOT Hazard Classification System, Occupancy Clues, and Container Recognition - The purpose of this module is to discuss the nine U.S. Department of Transportation hazardous materials classes and divisions, discuss common occupancies and locations for hazardous materials and describe commonly used dangerous goods containers.
- Hazardous Materials Recognition, Identification, and Information Communication - The purpose of this module is to provide instruction and practical experience in the identification of hazardous materials at the awareness level and present references that can be used for additional information.
- Protective Actions - The purpose of this module is to provide you with the knowledge and skills needed to apply techniques and procedures for protecting yourself and others from exposure to hazardous materials during a hazardous materials incident.
- Weapons of Mass Destruction Awareness - The purpose of this module is to provide instruction and guided discussion in the recognition and identification of potential weapons of mass destruction and what actions Awareness level personnel should take.

CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

COURSE SCHEDULE (SUBJECT TO CHANGE)

day one:	Chapter 1-Introduction to the Hazardous Materials Awareness Course; Chapter 2- Introduction to Hazardous Materials; Chapter 3-The DOT Hazard Classification System, Occupancy Clues, and Container Recognition; Chapter 4-Hazardous Materials Recognition, Identification, and Information Communication; Chapter 5-Protective Actions; Chapter 6- Weapons of Mass Destruction Awareness; Practical Skills Examination, Course Survey, Certification Exam
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GRADE ASSESSMENT

WRITTEN EXAMINATION

Written Examination: Perform to a minimum 70% competency on the examination, (One retest is allowed after 30 days but within one year of course end date.)

PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)