
**Environment, Health, & Safety
Training Program**

MAT0002 ~ Initial DOT Hazardous Material Transportation Training

Course Syllabus

Subject Category: Hazardous Material Handling
Course Length: 24 hours
Schedule: As needed
Location/Time: Offsite

Course Prerequisite: No
Medical Approval: No

Course Purpose: The **Department of Transportation (DOT)** requires training of employees who affect the safe transportation of hazardous materials, including hazardous waste. These employees are defined as Hazmat employees and include anyone who:

- loads, unloads, or handles hazardous materials;
- is responsible for the condition of containers used to transport hazardous materials;
- prepares hazardous materials for transportation;
- is responsible for the safety of hazardous materials; or
- operates a vehicle used to transport hazardous materials.

49 CFR 172.700 establishes retraining requirements that include the following:

- General awareness/familiarization training-covers DOT requirements and recognition and identification of hazardous materials.
- Function-specific training-covers the job function(s) related to the transportation of hazardous materials.
- Safety training-covers emergency response information, personal protection and proper handling of hazardous materials packages.

Additional training is required by the International Air Transportation Association (IATA) regulations for individuals involved in the preparation or transport of dangerous goods by air. Other function-specific training may be required for certain DOT Hazmat workers to fully comply with the DOT and IATA training requirements.

Course Objectives: To ensure that a hazmat employee who handles or transport hazardous materials is properly trained to perform the task in a safe and regulatory compliant manner. S/he must

- Meet the requirements for certification in hazardous materials handling and transportation.
- Understand state and federal transportation requirements.
- Demonstrate a general awareness and familiarization with the hazardous material transportation regulations, hazardous materials table, emergency response requirements, preparation of shipping papers (including Uniform Hazardous Waste Manifests), marking, labeling, and placarding.
- Understanding the work practices by which employees can minimize the risks associated with working around hazardous materials.
- Demonstrate an understanding of the health effects of hazardous materials on the body.
- Demonstrate an ability to identify the presence of various hazardous materials using the DOT Labeling system, NFPA system, Hazardous Material Information system (HMIS) and Material Safety Data Sheets.

Course Instructional Materials: N/A

Instructors: Contact the EH&S Training Office for list of training vendors, (Ext. 7524 or 2228)

Training Compliance Requirements: 49CFR172

Course Hand-outs: No

Participant Evaluation: Written evaluations regarding the effectiveness of the trainer, the training and the visual aids.

Written Exam: Yes

Practical Exam: No

Retraining/Re-certification: Every three (3) years, if IATA's "Hazardous Materials and Dangerous Goods Shipments" is used for retraining, then a two-year re-certification applies.

WEB Resource: PUB 3000