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

MAT0005 ~ Radioactive Materials Transportation

Course Syllabus

Subject Category: Hazardous Material Handling
Course Length: 40 hours
Schedule: As needed
Location/Time: Variable

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 radioactive materials. 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 training 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.

Course Objectives: Given a copy of 49CFR and 40CFR, the hazmat worker will be able to certify radioactive mixed waste shipments in full compliance with the applicable regulations. The course objectives include, but not limited to, instruction in

- Determining DOT categories, proper shipping names
- Understanding the Hazardous Materials Table
- Distinguishing amongst Type A, Type B and High Route Controlled Quantities
- LSA and SCO transport requirements
- Hazardous material classifications and characteristics

Course Instructional Materials: N/A

Instructors: Contact the EH&S Training Program for a list of 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 years

WEB Resource: