



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

MAT 0004 DOT/IATA Hazardous Materials Transportation by Air

Course Syllabus

Subject Category: Hazmat Transportation
Course Length: Varies by vendor
Delivery Mode: Class
Schedule: Offsite vendor

Course Prerequisite: MAT 0002
Medical Approval: No
Retraining: Every (2) years

Course Purpose: To provide training for individuals that cause materials to enter commerce in accordance with 49 CFR 172.700 and IATA Dangerous Goods Regulations Sec 1.5. These employees are defined as hazmat employees and includes anyone who:

- Loads, unloads, or handles hazardous materials;
- Designs, manufactures, inspects, marks, maintains, reconditions, repairs, or tests a package, container, or packaging component that is represented, marked, certified, or sold as qualified for use in transporting hazardous materials in commerce;
- Prepares hazardous materials for transportation;
- Is responsible for the safety of hazardous materials; or
- Operates a vehicle used to transport hazardous materials
- All shippers and agents that offer consignments of dangerous goods to air operators

Course Objectives:

Upon completion of the course, the student should be able to:

- Understand the format and organizational structure of the DOT HMR and IATA DGR
- Identify the nine classes of hazardous materials and assign materials to the appropriate hazard class
- Utilize the Hazardous Materials Table
- Apply relevant Special Provisions
- Select the proper packaging
- Properly identify, mark and label hazardous materials packages
- Decipher the specification markings on a UN specification packaging
- Properly complete all required documents for ground shipping
- Apply Separation and Segregation requirements
- Select the appropriate placards for transport vehicles
- Classify articles/substances with multiple hazards
- Understand the roles and responsibilities of a hazmat employee
- Enter the required information on an Air Waybill
- Locate and apply the State and Operator Variations
- Apply air carrier operating procedures
- Identify forbidden dangerous goods
- Complete Dangerous Goods Acceptance Checklist

Instructor: Offsite vendor

Training Compliance Requirements: 49 CFR 172.700.

Written Exam: Yes

Retraining/Recertification: Every (2) years