



## COMPUTER TRAINING SYSTEMS



### MAINTENANCE SAFETY TRAINING SYLLABUS

Each Maintenance Safety training program consists of customer-selected subjects from the list below. Each course is a comprehensive learning program covering the listed topics in each area with individual course examinations drawn from all assigned material testing student retention. Subjects include a mixture of interactive tutorials and text-based lessons, culminating in a final exam. Each course also includes administrator access to online record keeping in order to track and monitor individual progress. All maintenance and safety programs are designed to meet OSHA safety training requirements.

#### 14 CFR PART 145

##### Lessons

- Subparts A and B - General
- Subparts C and D - Facilities, Equipment, Materials, Data and Personnel
- Subpart E - Operating Rules
- Operations Outside the United States

#### 14 CFR PART 43

##### Lessons

- 43.1-16 - Maintenance and Inspection of Aircraft
- 43.17 - Maintenance and Inspection of U.S. Aircraft in Canada Appendixes A-F

#### BACK INJURY PREVENTION

##### Tutorial - Back Injury Prevention

- Introduction
- Causes
- Prevention

##### Lessons

- Back Injury Prevention Lessons

#### BLOODBORNE PATHOGENS (CAPCE accredited)

##### Tutorial - Bloodborne Pathogens Overview

- Introduction and Regulations
- Epidemiology, Symptoms, and Modes of Transmission
- Emergencies and Exposure Incidents

##### Tutorial - Control Measures

- Overview of Control Measures
- Hand Hygiene and PPE
- Housekeeping and Needle Safety

##### Lessons

- Bloodborne Pathogens

#### FLAMMABLE LIQUIDS

##### Tutorial - Flammable Liquids

- Identification of Flammable Liquids
- Storage
- Handling, Safety, and Emergency Response

##### Lessons

- Identification
- Storage and Handling
- Safety and Emergency Response

#### FORKLIFT OPERATION

##### Tutorial - Forklift Operation

- Introduction
- Definitions
- Stability of Forklift Trucks
- Safety Features
- Operation

##### Lessons

- Forklift Operation

#### HAZMAT WILL CARRY OR WILL NOT CARRY - GROUND HANDLING STAFF

##### Tutorial - Hazardous Materials Awareness

- General Philosophy
- Limitations
- Labels and Markings
- Recognition of Undeclared Hazardous Materials
- Emergency Procedures
- Hazardous Materials Incident and Discrepancy Reporting

##### Tutorial - Provisions for Passengers and Crew

- Provisions for Passengers and Crew

##### Tutorial - General Packing and Shipping Requirements

- General Requirements for Shippers
- Classification
- General Packing Requirements

##### Tutorial - List of Hazardous Materials

- List of Hazardous Materials

##### Tutorial - Hazardous Materials Shipping Documentation

- Shipping Documentation

##### Tutorial - Acceptance Procedures

- Acceptance Procedures

##### Tutorial - Storage and Loading Procedures

- Storage and Loading
- Information to the Pilot in Command

##### Tutorial - Security Awareness

- Introduction and Regulatory Requirements
- Recognizing and Preventing Security Threats
- Responding to Security Threats

##### Tutorial - Acceptance Procedures Walk-Through

- Acceptance Procedures Walk-Through

##### Tutorial - Loading Procedures Walk-Through

- Loading Procedures Walk-Through

##### Lessons

- General Philosophy
- Limitations
- Labeling and Marking
- Recognition of Undeclared Hazardous Materials
- Emergency Procedures
- Hazardous Materials Incident and Discrepancy Reporting
- Provisions for Passenger and Crew
- General Requirements for Shippers
- Classification
- General Packing Requirements
- List of Hazardous Materials
- Hazardous Materials Shipping Documentation
- Acceptance Procedures
- Storage and Loading Procedures
- Pilot's Notification
- Security Awareness

## **HAZARD COMMUNICATION**

### **Tutorial - Hazard Communication**

- Introduction
- Definitions
- Hazard Determination
- Written Hazard Communication Program
- Labels And Other Forms Of Warnings
- Material Safety Data Sheets

### **Tutorial - GHS - Classification and Labeling Standards**

- General Overview and Training Requirements
- Standard Label Elements
- Standard Label Pictograms
- Safety Data Sheets

#### **Lessons**

- GHS Overview and Requirements
- Determination of Hazards
- Pictograms
- Safety Data Sheets

## **INDUSTRIAL ERGONOMICS**

### **Tutorial - Industrial Ergonomics**

- Signs and Symptoms of Musculoskeletal Disorders
- Workplace Hazards and Risk Factors for MSDs
- Methods for Controlling Risk Factors

#### **Lessons**

- Industrial Ergonomics

## **LOCKOUT-TAGOUT**

### **Tutorial - Lockout-Tagout**

- Lockout-Tagout Overview
- Protective Devices and Equipment
- Energy Control Procedures

#### **Lessons**

- Lockout-Tagout

## **MAINTENANCE HUMAN FACTORS (IA Refresher Course)**

### **Tutorial - Maintenance Human Factors**

Course ID# C-IND-IM-170412-K-010-002

- Background
- The Basics
- Human Factors in Maintenance
- Human Factors And The Error Chain
- Situational Awareness
- Effective Communication

#### **Lessons**

- Human Factors Lessons

## **MEDICAL SERVICES AND FIRST AID TRAINING**

### **Tutorial - Medical Services and First Aid Training**

- Why Learn First Aid?
- First Aid Basics
- Fractures, Sprains, and Strains
- Wound Care
- Life-Threatening Conditions
- CPR and AEDs
- Other Injuries and Illnesses
- First Aid Reminders

#### **Lessons**

- CPR
- AED
- First Aid - Basics
- First Aid - Bleeding, Wounds, and Burns
- First Aid - Poison, Bites, and Stings
- First Aid - Serious Illnesses and Injuries

## **MINIMUM EQUIPMENT LIST (MEL) (IA Refresher Course)**

### **Tutorial - Minimum Equipment List (MEL)**

- MEL Overview
- MEL Contacts
- MEL Procedures

#### **Lessons**

- Minimum Equipment List

## **OCCUPATIONAL NOISE EXPOSURE**

### **Tutorial - Occupational Noise Exposure**

- Noise Induced Hearing Loss
- Hearing Conservation Program Requirements
- Hearing Protectors

#### **Lessons**

- Occupational Noise Exposure

## **PERSONAL PROTECTIVE EQUIPMENT (IA Refresher Course)**

### **Tutorial - General Personal Protective Equipment**

Course ID# C-IND-IM-230511-K-018-001

- Introduction to PPE
- Types of PPE and their Uses
- Wearing PPE
- Limitations
- Proper Care and Storage

### **Tutorial - Respiratory Protection**

- Respiratory Protection Overview
- Types of Respirators
- Proper Use and Fit Testing
- Inspection, Maintenance, and Storage

### **Tutorial - Fall Protection Systems**

- Fall Protection Overview
- Proper Use
- Maintenance and Storage

#### **Lessons**

- General PPE
- Respiratory Protection
- Fall Protection Systems

## **PORTABLE FIRE EXTINGUISHERS FOR MAINTENANCE PERSONNEL**

### **Tutorial - Portable Fire Extinguishers**

- Overview and Classes of Fire
- Types of Fire Extinguishers
- Location and Use of Fire Extinguishers
- Risks and Hazards of Fire

#### **Lessons**

- Portable Fire Extinguishers

## **WALKING-WORKING SURFACES**

### **Tutorial - Fall Hazard Safety**

- Fall Hazard Safety

### **Tutorial - Ladder Safety**

- Ladder Safety
- Portable and Fixed Ladders
- Mobile Ladder Stands and Platforms

### **Tutorial - Dockboard Safety**

- Dockboard Safety

#### **Lessons**

- Fall Hazards and General Requirements
- Ladder Safety
- Dockboard Safety