



## COMPUTER TRAINING SYSTEMS



**SAFETY  
TRAINING**

### 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 learning 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**

- 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**

- 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**

##### **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 AND COMBUSTIBLE LIQUIDS**

##### **Tutorial - Flammable and Combustible Liquids**

- Introduction
- Causes of Liquid Fire
- Identifying Hazardous Liquids
- Handling and Use
- Storage and Transportation
- Handling Hazardous Waste

##### **Lessons**

- Flammable and Combustible Liquids Lessons

#### **FORKLIFT OPERATION**

##### **Tutorial - Forklift Operation**

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

##### **Lessons**

- Forklift Operation

#### **GROUND HANDLING AGENTS**

##### **HAZMAT - WILL CARRY OR WILL NOT CARRY**

##### **Tutorial - Label Identification**

- Introduction
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5
- Class 6
- Class 7
- Class 8
- Class 9
- Miscellaneous Labels, Placards, and Markings

##### **Tutorial - Security Awareness**

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

##### **Lessons**

- General Philosophy
- Limitations
- General Requirements for Shippers
- Classification
- List of Hazardous Materials
- General Packing Requirements
- Labeling and Marking
- Hazardous Materials Transport Document and Other Relevant Documentation
- Acceptance Procedures
- Recognition of Undeclared Hazardous Materials
- Storage and Loading Procedures
- Pilot's Notification
- Provisions for Passengers and Crew
- Emergency Procedures
- 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

## **HEARING CONSERVATION**

### **Tutorial - Hearing Conservation**

- Introduction
- Effects of Noise
- How Your Hearing Works
- Hearing Loss and Testing Requirements
- Hearing Protection

### **Lessons**

- Hearing Conservation Lesson

## **HEARING, EYE, AND FACE PROTECTION**

### **Tutorial - Hearing Eye and Face Protection**

- Hearing Protection
- Eye and Face Protection

### **Lessons**

- Eye and Face Protection
- Hearing Protection

## **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**

- Applicability and Definitions
- Energy Control Program
- Protective Materials and Hardware
- Periodic Inspection
- Training and Curriculum
- Application of Control

### **Lessons**

- Lockout-Tagout Procedures

## **MAINTENANCE HUMAN FACTORS (IA Renewal 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

## **MAINTENANCE LADDER SAFETY**

### **Tutorial - Ladder Safety**

- Ladder Safety

### **Lessons**

- Maintenance Ladder Safety 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

## **PERSONAL PROTECTIVE EQUIPMENT**

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

- Introduction
- When And What To Wear
- Adjusting And Wearing Your PPE
- The Limitations Of PPE
- Proper Care And Storage

### **Lessons**

- Personal Protection Equipment

## **PORTABLE FIRE EXTINGUISHERS**

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

- General Description
- Anatomy of a Fire
- Classes of Fire
- Types of Fire Extinguishers
- Using a Fire Extinguisher
- Basic Procedures
- Toxic Fume Hazards
- Transportation Requirement
- Current Regulatory Standards

### **Lessons**

- Portable Fire Extinguishers Lessons

## **PPE- RESPIRATORY PROTECTION**

### **Tutorial - Respiratory Standard**

- Why Use Respirators?
- Types of Respirators
- Proper Use of Respirators
- Fit Testing and Inspection
- Maintenance and Storage
- Improper Use, Limitations, and Hazards
- Respirator Use in Emergencies

### **Lessons**

- Proper Respirator Use and Potential Hazards
- Respirator Donning, Doffing, and Seal Checks
- Respirator Inspections and Fit Tests
- Respirator Use in Emergencies
- Why Use Respirators

## **SLIPS, TRIPS, AND FALLS**

### **Tutorial - Slips Trips and Falls**

- Introduction
- Causes

### **Lessons**

- Slips, Trips, and Falls Lessons

An **Operations Manual Training Program** can be developed for your specific operations manual and specifications.

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