



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

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

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

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

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

OCCUPATIONAL NOISE EXPOSURE

Tutorial - Occupational Noise Exposure

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

Lessons

- Occupational Noise Exposure

PERSONAL PROTECTIVE EQUIPMENT

Tutorial - General Personal Protective Equipment

- 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