



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

- Bloodborne Diseases
- Modes of Transmission
- Personal Protective Equipment
- Workplace Practices
- Signs, Labels and Color Coding
- Emergency Procedures
- Hepatitis B Vaccinations

Lessons

- Bloodborne Pathogens Lessons

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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