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.

**MAINTENANCE/SAFETY TRAINING SYLLABUS**

**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 SAFETY**
*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*
- 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
<table>
<thead>
<tr>
<th>Section</th>
<th>Tutorial/Title</th>
<th>Lessons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Ladder Safety</td>
<td>Maintenance Ladder Safety Lessons</td>
<td></td>
</tr>
<tr>
<td>PERSONAL PROTECTIVE EQUIPMENT</td>
<td>Personal Protection Equipment Lessons</td>
<td></td>
</tr>
<tr>
<td>MEDICAL SERVICES AND FIRST AID TRAINING</td>
<td>First Aid Reminders</td>
<td></td>
</tr>
<tr>
<td>PORTABLE FIRE EXTINGUISHERS</td>
<td>Portable Fire Extinguishers Lessons</td>
<td></td>
</tr>
<tr>
<td>HEARING, EYE, AND FACE PROTECTION</td>
<td>Eye and Face Protection</td>
<td></td>
</tr>
<tr>
<td>INDUSTRIAL ERGONOMICS</td>
<td>Industrial Ergonomics</td>
<td></td>
</tr>
<tr>
<td>LOCKOUT-TAGOUT</td>
<td>Lockout-Tagout Procedures</td>
<td></td>
</tr>
<tr>
<td>MAINTENANCE HUMAN FACTORS (IA Renewal Course)</td>
<td>Maintenance Human Factors Lessons</td>
<td></td>
</tr>
</tbody>
</table>

**HEARING CONSERVATION**

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

**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**

- Hazard Communication

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

**Lessons**

- Human Factors Lessons
An Operations Manual Training Program can be developed for your specific operations manual and specifications.