



PureSafety®

>>> **Beyond Compliance**

Online Industrial Skills Training from ITC

To support your company's industrial skills training needs, PureSafety has partnered with ITC Learning, a leading provider of training solutions to the Process and Manufacturing industries for over 25 years. ITC's iKNOW™ online industrial training is specifically designed for today's industrial plant worker, with specific focus on apprentice, new hire, skills refresher and cross-training applications.

ITC's online learning courseware is designed to perform effectively within an Intranet, WAN, LAN or Internet environment while addressing the needs of all craft employees, regardless of their reading level. Appropriate content, effective instructional design, powerful multi-media components, and recognition of your facility IT environment are the hallmarks of ITC online instruction.

ITC Courses Are:

Designed for e-Learning excellence

Specifically engineered with the capabilities and limitations of the plant e-learning environment in mind.

Interactive

Courses use animation, graphics, audio and interactive exercises to augment and intensify the entire learning experience.

Comprehensive

Pretest, Final Test and embedded Practice use multiple choice, interactive, and true-or-false questions to assess a learner's knowledge of the subject.

Optimized for Internet Delivery

Each course consists of several topic modules that deliver content in a series and are designed to be completed in 30-45 minutes.

Customizable

All ITC courseware is completely customizable, giving you the opportunity to promote your own unique industrial and corporate culture.

Easy to Access

No proprietary plug-ins required.

Available Courses

Industrial Hydraulics

- Introduction To Hydraulic Systems
- Hydraulic Schematics
- Hydraulic Fluids
- Hydraulic Pump Applications
- Positive Displacement Pumps
- Hydraulic Accumulators
- Pressure Control Principles
- Pressure Control Operation
- Pressure Control Valve Application
- Directional Control Principles
- Flow Control Valves
- Actuator Cylinders
- Hydraulic Motors

Electrical Safety

- Working Safely With Electricity
- Electrical Circuits And Supplies
- Electrical Shock
- Electrical Personal Protective Equipment
- Protective Gloves And Sleeves
- Eye And Face Protection
- Protective Helmets
- General Protective Equipment

AC/DC Motor Theory

- Introduction To AC Components And Motors
- Advanced AC Motor Principles
- Three-phase Motors - Part 1
- Three-phase Motors - Part 2
- Single-phase Motors
- Introduction To DC Motors
- Introduction To DC Motor Theory

AC/DC Motor Theory (Continued)

Armature Reaction, Compensation, And Induced Voltage
Series, Shunt, And Compound DD Motors
Permanent Magnet, Universal, And Brushless DD Motors
DD Motor Controls

AC/DC Motor Maintenance

Introduction To AC Motor Maintenance
Records, Tools, And Instruments
Preventive AC Motor Maintenance
Measurement In Preventive AC Motor Maintenance
Preparing For Periodic AC Motor Maintenance
Motor Disassembly And Reassembly In Periodic AC Motor
Maintenance
Corrective Maintenance For AC Motors
Introduction To DD Motor Maintenance
Commutator Inspection
Commutator Wear
Commutator Maintenance
Brush Maintenance

Electrical Print Reading

Introduction To Electrical Schematics
Electrical Schematic Symbols - Input Devices
Electrical Schematic Symbols - Logic And Output Devices
Interpreting Electrical Schematics Introduction To Electrical
Diagrams
Building Electrical Diagrams
Single-line Electrical Diagrams
Wiring Diagrams

Troubleshooting: Developing Logical Thinking

Introduction To Troubleshooting
Information Gathering
Troubleshooting Skills
Improving Troubleshooting Skills

Mechanical Print Reading

Introduction To Mechanical Print Reading
Lines Used In Mechanical Print Reading
Dimensions In Mechanical Print Reading
Orthographic Projection

Conduit Installation

Conduit System Materials
Conduit Bending
Conduit Layout And Installation

Multimeters

Digital Multimeters
Analog Multimeters
Multimeter Selection And Inspection
Using Multimeters
Advanced Features Of Digital Multimeters

Mechanical Seals

Introduction To Mechanical Seals
Mechanical Seal Designs
Failure Analysis
Mechanical Seal Maintenance

Office Computer Data Security

Office Computer Data Security

Oscilloscopes

Introduction To Oscilloscopes
The Display
Vertical System Controls
Horizontal System Controls
The Trigger System
Probes
Setup
Waveforms
Measurement

Electrical Theory For Troubleshooters

Introduction To Electricity
Basic Electrical Properties
Series Circuits
Parallel Circuits
Alternating Current
Electromagnetism
Inductance
Capacitance
Three-phase Circuits
Wye And Delta Connections
Introduction To Transformers
Transformers

Ammeters, Meggers, and Wheatstone Bridge

Introduction To Megohmmeters
Using A Megohmmeter
Wheatstone Bridge
Using A Wheatstone Bridge
Clamp-on Ammeters

Precision Measuring Instruments

Dial Calipers
Micrometers
Telescoping And Thickness Gauges
Dial Indicators

Centrifugal Pump Repair

Troubleshooting Excessive Leakage
Troubleshooting Excessive Temperature
Troubleshooting Loss of Capacity
Disassembly
Inspection
Reassembly

Hand Tools

Tools For Holding
Tools For Turning: Screwdrivers
Tools For Turning: Wrenches
Tools For Striking

Industrial Lubrication

Introduction to Industrial Lubrication
Lubricants
Lubrication Systems
Filters and Lubrication Maintenance