

# HVAC Maintenance

57 Total Lessons

Online Training

## Module 1

Hand Tools I	201-02
Portable Power Tools	201-04
Introduction to Bearings	203-01
Couplings	209-01
Introduction to Valves and Their Components	215-01
Solenoid Valves	215-13
Valve Positioners	215-14
Pressure Regulator Valves	215-15
Introduction to Centrifugal Pumps	219-01

## Module 2

Bolted Joints	229-01
O-Rings	229-02
Making Gaskets	229-03
Fasteners	229-04
Packing Material Use and Installation	229-05
P&ID Basics	611-01
Industrial Print Reading Overview	611-05

## Module 3

Introduction to Alternating Current (AC)	402-01
AC Induction Motors	409-01
Troubleshooting AC Induction Motors	409-04
Introduction to Motor Controls	411-01
Motor Control Troubleshooting	411-03
AC Drives Overview	413-01
Overcurrent Protection: Fuses and Breakers	418-02
Limit Switch Adjustment	419-04
Electrical Drawings	611-03

## Module 4

Wire and Cable Management	421-01
Terminating and Connecting Wires in a Control Panel	421-02
Making Connections in a Junction Box	421-03
Installing Conduit and Pulling Wire	421-04
Multimeter	605-01
Introduction to Switches	613-03
Manometers	605-06
Pressure and Vacuum Calibrators	605-07
Introduction to Troubleshooting	609-03

## Module 5

Instrumentation & Control Overview	603-01
Temperature Instruments	603-06
Pressure Measuring Devices	603-07
Level Measuring Devices	603-08
Flow Measuring Devices	603-09
Instrument Troubleshooting	609-04
Introduction to Automated Control	613-01
Electronic Control Systems	613-04
Basic Principles of Industrial Transmitters	615-02
Smart Transmitters	615-03

## Module 6

Introduction to Programmable Logic Controllers (PLC)	621-01
Input/Output (I/O) Processing	621-02
PLC (Programmable Logic Controllers) Programming Instructions, Part I	621-04
PLC (Programmable Logic Controllers) Programming Instructions, Part II	621-05
PLC (Programmable Logic Controllers) Networks	621-06
PLC Network Protocols	621-07

## Module 7

Controller Control Modes	617-01
Final Control Elements	617-03
Digital Electronics and Microprocessors	619-07
Air Conditioning Fundamentals	670-01
Introduction to Industrial and Commercial Refrigeration	670-03
Refrigerant System Troubleshooting	670-05
Chiller Design and Maintenance	670-06



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