



# Domestic Electrical Installer Training

# ⇒ Course 01: Smart Meter Installer Training

- Module 01: Introduction to Smart Meter
- Module 02: Designing of Smart Metering System
- Module 03: Install a Smart Meter
- Module 04: Meter Installation Guidelines
- Module 05: Smart Meter Cost and Benefit Analysis
- Module 06: Smart Metering Policy Guidelines
- Module 07: Smart Meters Act in the UK

# ⇒ Course 02: Electric Power Metering for Single and Three Phase Systems

- Module 01: Basic Metering Introduction
- Module 02: Power & Energy
- Module 03: AC Power
- Module 04: Instrumentation
- Module 05: Single Phase Metering
- Module 06: Instrument Transformers
- Module 07: Three Phase Metering
- Module 08: Cross Wattmeter Verification

# ⇒ Course 03: Digital Electric Circuits & Intelligent Electrical Devices

- Module 01: Introduction
- Module 02: Numbering Systems
- Module 03: Binary Arithmetic
- Module 04: Logic Gates
- Module 05: Flip-Flops
- Module 06: Counters & Shift Registers
- Module 07: Adders

# ⇒ Course 04: Electrical Technician Complete Training

- Module 01: Introduction and Basics
- Module 02: Electrical Units and Ohm's Laws
- Module 03: Direct Current
- Module 04: Alternating Current Basics
- Module 05: Voltage and Resistance
- Module 06: Capacitance and Capacitors
- Module 07: Magnetism
- Module 08: Safety Precautions

# ⇒ Course 05: Basic AC Circuit Analysis

- Module 01: Introduction
- Module 02: Alternating Current
- Module 03: Vectors & Phasors
- Module 04: Reactance and Impedance R, L, C Circuits
- Module 05: Kirchhoff's Laws in AC Circuits
- Module 06: Power flow in AC Circuits

# ⇒ Course 06: Level 3 Heating, Ventilation & Air Conditioning (HVAC) Technician

- Module 01: Introduction to Heating, Ventilation & Air Conditioning (HVAC)
- Module 02: Heating Fundamentals and Psychrometrics
- Module 03: HVAC Systems
- Module 04: Heating and Ventilation
- Module 05: Air Conditioning Systems for HVAC Technicians
- Module 06: Compressors, Water Chillers, and Fans
- Module 07: Piping for HVAC Technician
- Module 08: Duct System in HVAC
- Module 09: Refrigeration and Refrigerants
- Module 10: Special Applications
- Module 11: HVAC System Selection
- Module 12: Safety in the HVAC Industry

## ⇒ Course 07: PAT Level 4

- Module 01: Introduction to PAT
- Module 02: Relevant Statutory Provisions for PAT
- Module 03: Risk Assessment
- Module 04: Reducing and Controlling Risks
- Module 05: Electrical Units and Appliance Classification
- Module 06: Initial Visual Examination
- Module 07: Instruments for Testing and Equipment Inspection
- Module 08: Electrical Installation Testing
- Module 09: Safety Precautions in Electrical Testing
- Module 10: Reporting and Record-keeping



# ⇒ Course 08: Electronic & Electrical Devices Maintenance

- Section 1: Introduction & Getting Started
- Section 2: Electronic and Electrical maintenance Repair
- Section 3: Tools Needed
- Section 4: Electronic Components
- Section 5: Testing
- Section 6: Troubleshooting
- Section 7: Introduction to Electronic Components: A Step by Step Guide

# ⇒ Course 09: Domestic Appliance Repairing Course

- Module 01: Introduction to Domestic Appliances
- Module 02: Repairing a Refrigerator
- Module 03: Repairing an Air Conditioner
- Module 04: Repairing a Washing Machine
- Module 05: Repairing a Washing Machine
- Module 06: Repairing a Water Heater
- Module 07: Repairing a Television
- Module 08: Repairing Electrical Wiring
- Module 09: Repairing Cooking Appliances
- Module 10: Repairing a Cloth Dryer
- Module 11: Safety Precautions during Repairing Appliances

# ⇒ Course 10: UK Standard Domestic Plumbing and Heating Installer Training

- Module 01: Basic Components of Plumbing
- Module 02: Principles of Effective Plumbing Systems
- Module 03: The Plumbing Tools
- Module 04: The Plumbing Process
- Module 05: Central Heating Systems
- Module 06: Domestic Cold Water System
- Module 07: Domestic Hot Water System – Part 1
- Module 08: Domestic Hot Water System – Part 2
- Module 09: The Sanitation System and Repairs
- Module 10: Domestic Rainwater System Installation
- Module 11: Plumbing Projects: Case Study
- Module 12: UK Standards for Plumbing

## ⇒ Course 11: PUWER

- Module 01: Provision and Use of Work Equipment Regulations
- Module 02: Selection and Conformity of Work Equipment
- Module 03: Safe Functionality of Work Equipment
- Module 04: Monitoring and Evaluation of Work Equipment
- Module 05: Maintenance of Work Equipment

## ⇒ Course 12: Handyman

- Module 01: Introduction to Handyman
- Module 02: Basic Tools and Equipment
- Module 03: Electrical Work
- Module 04: Plumbing Skills
- Module 05: Appliances
- Module 06: General Carpentry
- Module 07: Basic Maintenance Skills
- Module 08: Walls and Floors
- Module 09: Painting and Decorating
- Module 10: Drilling, Tiling and Welding
- Module 11: Construction Projects
- Module 12: Health and Safety at Work
- Module 13: Starting Own Business for Handyman

# ⇒ Course 13: Advanced Electrical Safety

- Module 1: Safety Precautions
- Module 2: Direct Current
- Module 3: Alternating Current
- Module 4: Voltage and Resistance
- Module 5: Capacitance and Capacitors
- Module 6: Working Safely with Electrical Equipment
- Module 7: Electrical Incidents
- Module 8: Risk Assessment
- Module 9: Reducing and Controlling Risks
- Module 10: Combined Inspection and Testing

## ⇒ Course 14: First Aid at Work

- Introduction to Workplace First Aid
- Legal Framework for Workplace First Aid
- Incident Management at Work
- Primary Survey
- Secondary Survey
- Basic First-Aid Techniques
- Dealing With Fractures and Dislocations
- Secondary Illness Loss of Responsiveness and CPR
- Secondary Illness Breathing Problems
- Secondary Illnesses and Injuries
- Dealing with Minor Injuries at the Workplace
- Call for an Emergency



Thank You