



*Training Course:  
Basic Electricity Course - CPD Accredited*

*26 - 30 July 2026*

*Cairo (Egypt)*

*Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

## Training Course: Basic Electricity Course - CPD Accredited

Training Course code: EN234581 From: 26 - 30 July 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4410 € Euro

### Introduction

Electricity is fundamental to modern infrastructure, powering homes, industries, and technologies. A solid understanding of basic electrical principles is essential for safe operation, maintenance, and troubleshooting of electrical systems.

This CPD-accredited program, designed by Global Horizon Training Center, provides participants with foundational knowledge and practical understanding of electrical concepts, components, and safety practices required for working with electrical systems.

### Course Objectives

By the end of this program, participants will be able to:

- Understand basic electrical concepts and terminology
- Identify electrical quantities such as voltage, current, resistance, and power
- Interpret simple electrical circuits and diagrams
- Apply basic electrical calculations
- Recognize common electrical components and their functions
- Follow safe working practices in electrical environments
- Identify basic electrical faults and troubleshooting methods
- Support maintenance and operational activities

### Target Audience

This program is designed for:

- Entry-level Electrical Technicians
- Maintenance and Operations Personnel
- Non-electrical Engineers requiring basic knowledge
- Facility and Building Maintenance Staff
- Technical Support Staff
- Individuals seeking foundational electrical knowledge

### Outline

#### Day 1: Fundamentals of Electricity

- Introduction to electricity and its applications
- Basic electrical quantities voltage, current, resistance
- Types of current AC and DC
- Units of measurement and symbols
- Electrical safety basics

#### Day 2: Electrical Circuits and Components

- Basic circuit concepts
- Series and parallel circuits
- Common electrical components resistors, capacitors, switches
- Reading simple circuit diagrams
- Introduction to electrical tools

#### Day 3: Electrical Measurements and Instruments

- Measuring voltage, current, and resistance
- Use of multimeters and basic instruments
- Testing electrical circuits
- Identifying faults and issues
- Practical measurement techniques

#### Day 4: Basic Electrical Calculations and Applications

- Ohm's Law and power calculations
- Electrical load calculations
- Energy consumption basics
- Simple problem-solving exercises
- Application in real systems

#### Day 5: Safety, Maintenance, and Troubleshooting

- Electrical safety standards and procedures
- Preventive maintenance basics
- Identifying common electrical faults
- Basic troubleshooting techniques
- Case studies and practical examples

## Registration form on the Training Course: Basic Electricity Course - CPD Accredited

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Company Information

Company Name: .....

Address: .....

City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
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