

**\*FUNDED**



SKILLS MAX ACADEMY

# DESIGN AND INSTALLATION OF ELECTRIC VEHICLE CHARGING EQUIPMENT



\*Subject to status & eligibility criteria



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## OVERVIEW

This qualification aims to provide expert guidance to learners wishing to gain knowledge and understanding on Electric Vehicle charging equipment installation. This qualification is aimed at practicing electricians interested in understanding how to install the range of equipment and systems available, it covers the specialised installation requirements of electric vehicle charging equipment in public, private and commercial locations and includes exclusive guidance on electrical requirements.



## TOPICS INCLUDE

- Introduction to Electric Vehicles – Electric Vehicle types
- Characteristics, Charging requirements, Safety considerations
- Overview of Electric Vehicle charging
- Modes of Electric Vehicle charging, requirements, and restrictions
- Electrical Installation Requirements
- Supply, Earthing, Planning permission, Explosive atmospheres, Protection, Labelling, Control, Risk assessment
- Protecting against open PEN conductor faults
- Integration into prosumers electrical installations
- Reverse feeding into the installation or back to the grid
- Inspection, Test and Certification
- Commissioning and DNO paperwork
- Risk Assessment and pre & post-installation checklists
- System Test, Fault Finding and Examination

## ENTRY REQUIREMENTS

This course is intended for practicing electricians however, due to the safety implications of working with electricity and the guided learning hours associated with this qualification, learners should have a minimum of Level 3 qualification in electrical installation or equivalent and demonstrating competency associated with working in the electrical installation industry.

## QUALIFICATION

- **Level 3 Award in Electrical Vehicle Charging Equipment Installation**

## METHOD OF ASSESSMENT

- Online multiple-choice test, and practical assignment

## DURATION

4-5 Days

## ATTENDANCE OPTIONS

Days / Evenings / Weekends / Online

## \*YOU MUST

- Be aged 19 or over
- Be living in the EU for the last 3 years
- Have the legal right to live & work in the UK
- Not have previously completed this qualification

## TO APPLY...



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