



ELECTRIC VEHICLE CHARGING

C&G 2919

3 day course

This qualification aims to provide expert guidance to learners wishing to gain knowledge and understanding on Electric Vehicle charging equipment installation.

ELECTRIC VEHICLE CHARGING CITY & GUILDS 2919

OVERVIEW

The UK is projected to have 350,000 homes fitted with electric vehicle chargers by 2025 according to Electric & Hybrid Vehicle Technology International as the electric vehicle market is booming. So as domestic charging is set to increase, make sure you don't get left behind!

This course is intended for experienced electricians and installers who are looking to enhance their current skillset to allow them to install domestic, commercial and "on street" vehicle charging points. You will be able to complete risk assessments, pre & post installation checklists, and safely install, inspect, and test any electric vehicle charging device.

COURSE CONTENT

1. Introduction to Electric Vehicles & Electric Vehicle types
2. Characteristics, charging requirements, safety considerations
3. Overview of Electric Vehicle charging
 - 4 modes of Electric Vehicle charging
 - Requirements
 - Restrictions
 - Advantages/disadvantages of each
4. Electrical Installation Requirements
 - Supply
 - Earthing
 - Planning permissions
 - Protection
 - Labelling
5. Pre & post installation checklists

WHO SHOULD ATTEND?

There are no FORMAL entry requirements for this qualification, however we do expect you to meet the following:

- Minimum age 18 years old (mandatory)
- Must be able to demonstrate the following competencies
- Be able to correctly install and terminate: pvc/pvc cable (twin and earth) and Steel Wire armoured cable (swa)
- Be able to carry out an initial verification (inspection & testing) on an electrical installation and complete the necessary paperwork.

Note: These competencies are required for the assessment and are not taught as part of the course. It is recommended that you are up to date with your wiring regulations (18th Edition).

ASSESSMENT

The following assessments will be required for this qualification:

- Design Assessment for a Commercial installation and for a Domestic installation
- Practical Installation Assessment
- Understand and carry out inspection, testing, commissioning and handover of Electric Vehicle charging equipment
- Fault Finding
- Online Multi-Choice Exam

DURATION 3 days

BOOKS REQUIRED

Code of Practice for Electric Vehicle Charging Equipment Installation.