

# Training

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## Electric Vehicle Charging Equipment Installations

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## **Overview:**

This one-day (virtual classroom) Qualifications Scotland (previously SQA) approved course for qualified electricians aims to provide expert guidance to learners wishing to gain knowledge and understanding on Electric Vehicle charging equipment installations.

This award has been SCQF credit rated by Qualifications Scotland, it has been accredited to SCQF Level 7.

## **Aim:**

By the end of this one-day course learners will understand and be able to design and install domestic, commercial and industrial electrical vehicle charging installations.

## **Content:**

- Understand the key requirements relating to electric vehicle charging equipment.
- Identify various modes and features of electric vehicle charging equipment.
- Gain the skills for designing, installing electric vehicle charging circuits.
- Gain knowledge for the requirements for inspection, testing, commissioning, maintenance and handover of electric vehicle charging equipment and circuits.
- Understand the use of vehicles as electrical energy storage systems as part of prosumer's installations.

## **Pre-Course Requirements:**

The course is designed for qualified electricians with a current BS 7671 qualification and an expectation of meeting the following criteria:

- 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)
  - Steel Wire armoured cable (swa)
  - Be able to carry out an initial verification (inspection & testing) on an electrical installation and complete the necessary paperwork

## What you will need to bring to the course:

Each delegate must have a copy of the following:

- **IET Code of Practice for Electric Vehicle Charging Equipment Installation (5<sup>th</sup> Edition)** and spend a minimum of 8 hours pre-study time going through this prior to the day course.
- **Requirements for Electrical Installations (18th Edition Wiring Regulations)** BS 7671 (as amended) - Orange Book.

If you don't have a copy of these publications, they can be purchased through the [SELECT Shop](#). Alternatively, please call the Technical Admin Team on 0131 445 5577 or e-mail [orders@select.org.uk](mailto:orders@select.org.uk).

**Note:** If you do not have the above publications available on the morning of the course, you will not be able to attend as these are referred to throughout the course.

### Presenters:

SELECT Technical Staff

### Fees:

SELECT Members - £290 + VAT (£348)

Non-Members - £415 + VAT (£498)