

EAL Level 3 Award in the Requirements for the Installation and Maintenance of Electric Vehicle Charging Units



Course Level: Level 3

Campus: Stafford

Subject Type: Construction & Engineering

Course Overview:

Explore the fundamentals of EV charging technology, including different charging standards, connector types and charging modes. Learn about electrical safety regulations, site assessment criteria, and installation requirements for EV charging stations. Gain hands-on experience in assembling, configuring, and testing charging units, as well as performing routine maintenance tasks to ensure optimal performance and safety.

What's Covered:

This is a roll-on, roll-off qualification that is commenced at anytime during the year based on demand.

During this course students will gain an understanding of the application of the IET Code of Practice for Electric Vehicle Charging Equipment Installation. It provides a facility for individuals working in the electrotechnical sector to develop their understanding of the installation of electric vehicle (EV) charging points.

This qualification is designed for electricians who want to develop their existing skills to include installation and maintenance of single electric vehicle charging units in domestic properties and small commercial premises.

With an increasing demand for new electric vehicle charging points, but too few installers to roll them out, skilled technicians are in serious demand. This is already a booming market which is due to get much bigger in the near future. By arming yourself with a new skill such as electric vehicle charging installation you will be getting in early on a sector which should prove to be very lucrative in coming years. Global and UK electric car sales are due to increase dramatically over the coming years.

Entry Requirements:

Learners must be at least 18 years old and be a qualified electrician.

Learners must also be conversant with the relevant wiring regulations, and initial verification and commissioning. This can be demonstrated by the learner holding relevant qualifications in BS 7671 and Periodic Inspection and Testing.

Assessment Information:

This course is assessed by an on-screen, open book multiple-choice exam.

Fees and Financial Support:

If you are 19-23, it is your first Level 3, and are studying an SFA approved Level 3 programme you may be eligible for full fee remission.

You can apply for an Advanced Learner Loan or Higher Education Loan to help with the costs of your course if you are 19 or older and the course you are studying is an eligible Level 3, 4, 5 or 6

course. If you have any queries with regards to the funding of your course, please contact Charlotte Robertson on 01782 254141 or email charlotte.robertson@nscg.ac.uk

Progression:

Following the completion of this qualification, you may wish to progress onto one the following courses:

- The Design and Verification of Electrical Installations Level 4

What else do I need to know?

This course will be taught 2 evenings a week for 2 weeks (4 evenings total).

Books required for this course:

Current version of BS 7671

Code of Practice 5th Edition

How do I find out more?

For more information on this course, please email GE2Admin@nscg.ac.uk