

***FUNDED**



SKILLS MAX ACADEMY

DESIGN & INSTALLATION OF ELECTRIC VEHICLE CHARGING INSTALLATIONS SKILLS BOOTCAMP

- Level 3 Award in the Design & Installation of Domestic & Small Commercial Electric Vehicle Charging Installations
- Level 3 Award in Electrical Installation Inspection, Testing, Certification & Reporting.

*Subject to status & eligibility criteria



FUNDING THROUGH SKILLS BOOT CAMP



West Midlands
Combined Authority



Department
for Education

OVERVIEW

The Bootcamp is designed to give existing employed/self-employed qualified electricians as well as unemployed who want to learn about the technical requirements and practical considerations when installing Electric Vehicle charging points and has been developed to the requirements of the National Occupational Standard Assessment Programme for individuals who wish to demonstrate competence in this field.

It forms part of our Bootcamp offer promoting green skills and the strive for net zero in the region, with the integration of Inspection and Testing to add more value and improve their chances within the electrical installation industry.



DESIGN AND INSTALLATION OF ELECTRIC VEHICLE CHARGING INSTALLATIONS

- 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

INSPECTION AND TESTING

- Understand the health and safety requirements which apply when inspecting, testing and commissioning an electrical installation.
- Understand the requirements for inspecting and testing electrical installations.
- Understand the requirements for the safe inspection of electrical installations.
- Understand the requirements for the safe testing and commissioning of electrical installations.
- Understand the requirements for testing pre-energised circuits and energised circuits.
- Understand the requirements for the completion of electrical installation certificates and associated documentation.

METHOD OF DELIVERY

Blended Learning

DURATION

60 hours

ATTENDANCE OPTIONS

Days / Evenings / Weekends

ASSESSMENT METHOD

- EV Charging – Online Multiple Choice Exam & Design Assignment
- Inspection and Testing– Online Multiple Choice Exam. & Practical Assessment

QUALIFICATIONS

- C&G Level 3 Award in Electrical Vehicle Charging Equipment Installation
- EAL Level 3 Award in Electrical Installation Inspection, Testing, Certification & Reporting.



ELIGIBILITY CRITERIA

YOU MUST..

- Be aged 19 or over
- Be employed or self-employed
- Live or Work in West Midlands, England
- Have the right to work in the UK
- Minimum Level 3 in Electrical Installation or equivalent

EMPLOYED

Employers must demonstrate one or more of the following positive impacts would be applicable at the end of the training:

- Advancement in pay or salary as a result of the training
- Offer of a new job or apprenticeship
- Increased opportunities or contracts for the company
- More responsibilities
- Promotion or enhancement in current role

SELF EMPLOYED

If you are self-employed, you could still be eligible for funding if you demonstrate that there would be an increase in services offer at the end of the Bootcamp training.

UNEMPLOYED

If you are currently unemployed you must demonstrate commitment to pursuing a career in the industry.

TO APPLY...



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