

Design and Verification of Electrical Installations



Course Level: Level 4

Campus: Stafford

Subject Type: Construction & Engineering

Course Overview:

Explore fundamental principles of electrical design and equipment selection. Learn about relevant regulations, standards and best practices governing electrical installations. Develop practical skills for conducting electrical tests, inspections, and verification procedures to ensure proper installation and functionality.

What's Covered:

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

Designed for electrical professionals, consultants and engineers who are responsible for the electrical design, specification, installation and testing process, this qualification provides an opportunity for electricians to take electrical design to the next level.

The Level 4 course is an advanced course that offers in-depth theoretical training in electrical design and cable calculations. It offers anyone with an existing testing qualification the opportunity to enhance their knowledge, allowing for greater potential career development particularly in electrical supervision and design.

During the course, learners will develop an understanding of the concepts, processes and practices involved with the design, construction and initial verification of electrical installations. The emphasis is on the safe and ergonomic design on an installation which complies with relevant regulations; industry standards, and sound engineering practices.

Course units include:

- Relevant statutory and non-statutory requirements
- Electrical installation design
- Installation methods
- Verification procedures

Design, installation and verifications are in line with the requirements of BS 7671.

Entry Requirements:

This qualification is suitable for learners who have successfully complete either the EAL or City & Guilds Level 3 Electrical Installation qualification or similar. It is recommended that you also possess the 18th Edition Requirements of Electrical Installations (BS7671) and a suitable Inspection & Testing of Electrical Installations qualification.

Assessment Information:

The assessment of this qualification involves the following two aspects:

- 1) An EAL set centre marked project

2) A written controlled knowledge assessment which is graded Pass, Merit, Distinction or Fail.

The course will be delivered in five days across a three week period (Weeks 1 & 2 - Monday and Tuesday and week 3 - one day only). There will be an additional fee of £155 + VAT to cover materials and books.

Fees and Financial Support:

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:

- EAL Level 3 Award in the Requirements for the Installation of Electric Vehicle Charging Points
- The Initial Verification and Certification of Electrical Installations
- 18th Edition

How do I find out more?

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