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1 Giltspur Street
London
EC1A 9DD
T +44 (0)20 7294 2468
F +44 (0)20 7294 2400
www.cityandguilds.com

City & Guilds

Level 3 NVQ Diploma in Electrotechnical Services (Electrical Maintenance) 501/1624/1

OVERVIEW

What does this qualification cover?

This Framework qualification covers a very wide range of areas related to the skills and knowledge required to become competent electrician within the electrotechnical industry. There are two industry recognised pathways.

There is one pathway within the qualification, all the units within the qualification are mandatory. The mandatory units are:

- Applying Health and Safety legislation and working practices Installing and Maintaining Electrotechnical Systems and Equipment
- Applying environmental legislation, working practices and the principles of environmental technology systems
- Overseeing and organising the work environment Electrical Installation
- Plan and prepare to maintain electrotechnical systems and equipment
- Maintain electrotechnical systems and equipment
- Terminating and connecting conductors, cables and flexible cords in electrical systems
- Inspecting, testing, commissioning and certifying electrotechnical systems and equipment in buildings, structures and the environment
- Diagnosing and correcting electrical faults in electrical systems and equipment in buildings, structures and the environment
- Electrotechnical occupational competence
- Understanding Health and Safety legislation, practices and procedures installing and maintaining electrotechnical systems and equipment
- Understanding environmental legislation, working practices and the principles of environmental technology systems
- Understanding the practices and procedures for overseeing and organising the work environment electrical Maintenance
- Understanding the practices and procedures for planning and preparing to maintain electrotechnical systems and equipment
- Understanding the practices and procedures for maintaining electrotechnical systems and equipment
- Understanding the principles, practices and legislation for the termination and connection of conductors, cables and cords in electrical systems



- Understanding principles, practices and legislation for the inspection, testing, commissioning and certification of electrotechnical systems and equipment in buildings, structures and the environment
- Understanding the principles, practices and legislation for diagnosing and correcting electrical faults in electrotechnical systems and equipment in buildings, structures and the environment
- Understanding the electrical principles associated with the design, building, installation and maintenance of electrical equipment and systems

Who could take this qualification? OR who is this qualification designed for?

This qualification is suitable for anyone from 16 years old or over to take this qualification, and is available at Level 3 only which is the level that the Electrotechnical industry recognises learners as having achieved the competence required to carry out the role

This qualification is designed to provide new entrants or mature candidates and those seeking progression in their career, with the opportunity to develop the necessary skills to carry out job roles and responsibilities associated with the installation and maintenance of Electrotechnical systems

What could this qualification lead to?

On successful completion of this qualification learners will be fully competent electricians, they will also be eligible for JIB grading

Achieving this qualification can help you progress in a number of job roles, including:

- Maintenance electrician
- Maintaining power systems
- Lighting and fire protection systems

Learners also have the opportunity to progress their career further by doing specialist CPD (continual professional development) courses such as the following;

Level 4 Award in the Design and Verification of Electrical Installations 600/3722/2

WHO SUPPORTS THIS QUALIFICATION?

This qualification is supported by the JIB (Joint Industry Board)