

City & Guilds - Electrical Qualifications (and equivalents) Years 2016 to 2019

Apprenticeships Standards

Installation / Maintenance Technician (Electrotechnical)

4 years (Level 3)

Vocational Training Courses

2365 Electrotechnical Craft

The Level 2 qualification is designed for new entrants to the industry, providing them with the basic skills and experience they need. The Level 3 qualification is aimed at those who have already completed the Level 2 qualification or with some relevant experience and knowledge of the industry.

8202 Technicals in Building Services Engineering

First teaching of these qualifications is September 2016. The Level 3 Advanced Technical Diploma in Electrical Installation (450) are for learners who are interested in developing the specific technical and professional skill that will lead to meaningful employment in the electrotechnical industry.

Learners will explore a wide range of industry areas including principles of electrical science, inspection and testing, and electrical system diagnosis.

Learners interested in the Level 3 Advanced Technical Diploma in Electrical Installation (450) will study theoretical aspects of the subject and apply them to practical tasks.

Compulsory topics include:

engineering materials

Planning and overseeing electrical work activities

- Principles of electrical science
- Electrical design and installation practices and procedures
- Principles of inspection, testing and commissioning electrical systems
- Inspecting, testing and commissioning electrical systems
- Electrical system fault diagnosis and rectification
- Requirements for electrical installations

The Level 3 Advanced Technical Diploma In Electrical Installation (450) can lead to a higher level apprenticeship, on successful completion of the apprenticeship learners would be recognised by the industry as 'competent electricians'. This could lead to the following employment opportunities:-

- installation electrician
- maintenance electrician

2377 Electrical Equipment Maintenance and Testing

Test portable electrical appliances with a qualification in Electrical Equipment Maintenance and Testing. Aimed at practicing electricians this qualification will help and progress individuals within the Electrotechnical industry. During study you will cover areas such as, inspecting and testing portable appliances, management of processes, and requirements of maintenance of electrical equipment.

2357 Level 3 NVQ Diploma in Electrotechnology

These qualifications are designed to provide new entrants 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. This qualification 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. During your study you will cover the following areas: Health and Safety legislation, Environmental legislation, Practices and procedures for overseeing and organising the work environment. Principles of planning and selection for the installation of electrotechnical equipment and systems. Practices and procedures for the preparation and installation of wiring systems and electrotechnical equipment. Cable termination. Inspection and testing. Fault finding and Electrical principles.

2391 Electrical Inspection and Testing

This qualification aims at the specialist knowledge and skills you need, including appropriate legislation, inspection and testing techniques, completing and issuing certificates or reports and understanding of results and measurements. Assessment will be through a multiple-choice on-line test and a practical task. This qualification helps the electrician to develop the knowledge and practical skills required to professionally carry out inspection and testing on electrical installations. This qualification offers three pathways depending on the type of inspection and testing required or previous qualifications gained by learners. This qualification is intended for practicing electricians who want to expand their skills and knowledge in the area of Initial Verification and/or Periodic Inspection and continue their professional development. On successful completion learners can also progress on to the City & Guilds Level 4 Award in the Design and Verification of Electrical Installations.

2357 Electro Technical Technology

These qualifications are designed to provide new entrants 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. This qualification 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. During your study you will cover the following areas: Health and Safety legislation, Environmental legislation, Practices and procedures for overseeing and organising the work environment. Principles of planning and selection for the installation of electrotechnical equipment and systems. Practices and procedures for the preparation and installation of wiring systems and electrotechnical equipment. Cable termination. Inspection and testing. Fault finding and Electrical principles.

2372 Installing and Testing Domestic Photovoltaic Systems

If you're a qualified electrician, this certificate will give you the skills to fit, install and test photovoltaic systems in homes. The Certificate in Installing and Testing Domestic Photovoltaic Systems is for qualified, experienced electricians who want to diversify or specialise in work with photovoltaic solar power in homes.

You'll cover things like:

- How to fit, install and test photovoltaic system components
- Health and safety
- Regulations regarding photovoltaic systems
- Roofing, commissioning and testing
- Customer care.

To get a Vocationally Related Qualification (VRQ) you learn with your training provider - maybe through practical sessions, group discussions or assignments. VRQs are usually assessed by your training provider using assignments, practical tasks, exams or online tests. For the Certificate in

Installing and Testing Domestic Photovoltaic Systems, you'll learn the theory and gain practical experience on test rigs. You'll be assessed on your practical skills. You'll also complete a short answer theory exam. This qualification could give you the skills to take advantage of the demand for alternative energy. It could open new areas of work installing photovoltaic systems in homes.

2382 Requirements for Electrical Installations

This qualification ensures that you are up-to-date with the latest industry regulation on wiring and the safe use and operation of electrical equipment and systems. It covers the 18th edition of the IET Wiring Regulations, which came into force in June 2008. These regulations are recognised by the British Standards Institute as a British Standard (BS7671). During your study you will focus on meeting the standards of the latest IET Wiring Regulations, including, essential aspects of the safety, selection and erection of electrical equipment inspection and testing.

PLEASE NOTE: 2382-18 Level 3 Award in Requirements for Electrical Installations BS7671: 2018 is now available. This covers the 18th edition of the IET Wiring Regulations. Until January 2019, both the new 18th Edition (2382-18) and the old 17th Edition (2382-15) will be current documents. Registrations for 2382-15 will close on 31 December 2018 and certifications will close from 31 March 2019. If you're a practising electrician, you must comply with the regulations for electrical work, this qualification is designed to provide those seeking progression in their career with the opportunity to develop the skills necessary to carry out job roles and responsibilities associated with the Electrotechnical industry.

Reference: City & Guilds website

Dated: 02/01/2020

<https://www.cityandguilds.com/qualifications-and-apprenticeships/building-services-industry#fil=uk>