



EAL Level 3 Diploma in Electrical Installation



Qualification Specification

Overview

This qualification allows the learner to acquire advanced underpinning knowledge and related skills of electrical installation. It doesn't require occupational evidence from the workplace, so is suitable for learners who currently do not work within the electrical Industry (but may wish to do so).

Typical Job

Facilitates progression to an industry recognised electrotechnical apprenticeship qualification..

Qualification code:	600/9331/6
Level:	3
Guided learning hours:	459 (min) 478 (max)
Credits	49
Age range:	16 +
Total qualification time (hours):	489

Issue 1.1

Purpose of the qualification

What does this qualification cover?

The qualification has mandatory and optional units. The mandatory units cover electrical installation design, environmental technology systems, electrical science and principles, electrical installation craft, inspection, testing, commissioning; and diagnosing and correcting electrical faults.

The optional units cover overseeing and organising the work environment, requirements of BS 7671 and, small scale solar photovoltaic systems.

The qualification also has integral health and safety in some of the units applicable to the topic being studied.

Successful completion will provide the learner with 32 UCAS points on the new UCAS points system. (Note that A level grade A* gets 56 points under the new Tariff, in comparison with 140 under the previous Tariff).

Who is this qualification for?

- Learners who currently do not work within the electrical Industry (but may wish to do so).
- Those who wish to acquire new knowledge and skills.

Who supports this qualification?

This qualification is:

- regulated/accredited at level three.
- not recognised by the electrical industry for competence and will not make the learner an electrician, but will facilitate a progression to the industry recognised qualification.
- supported by NFEC (National Forum of Engineering Centres).

What could this qualification lead to?

The qualification has been adapted from the apprenticeship qualification; so facilitates progression to the Industry and an apprenticeship.

Entry requirements

Learners must be at least 16 years old. There are no formal entry requirements for this qualification. However, learners must have the potential to achieve all aspects of the qualification. In particular, learners should be able to demonstrate that they have the minimum levels of literacy and numeracy required for the completion of the learning outcomes and the assessments.

How is the qualification achieved?

This qualification will be achieved when the learner has successfully completed the theory and practical assessments relating to the units.

What will be assessed?

The learners ability in various aspects of electrical installation covered in the units.

How will it be assessed?

The qualification is assessed by a mixture of on-screen exams, written assignments, and practical assessments. The qualification is graded pass/fail only.

Structure

This qualification will be obtained by the learner once they have achieved the units below:

Unit	Unit title	GLH	Ofqual Code
QELTK3/002	Understanding environmental legislation, working practices and the principles of environmental technology systems	36	M/602/2525
ELEC3/04A	Electrical Installation Planning, Preparing and Designing	85	M/504/4899
ELEC3/05	Electrical Installation Craft Skills	56	M/504/9312
QELTK3/006	Understanding the principles, practices and legislation for the inspection, testing, commissioning and certification of electrotechnical systems and equipment in buildings, structures and the environment	78	D/602/2567
QELTK3/007	Understanding the principles, practices and legislation for diagnosing and correcting electrical faults in electrotechnical systems and equipment in buildings, structures and the environment	58	R/602/2579
ELEC3/08B	Electrical Science and Principles	111	A/504/8292

Optional units: One unit must be completed:

Unit	Unit title	GLH	Ofqual Code
QELTK3/003	Understanding the practices and procedures for overseeing and organising the work environment (electrical installation)	56	J/602/2532
18ED3/01	Understand the Requirements of Electrical Installations BS 7671:2018	35	H/617/0882
QET3/002SPV	Know the requirements to install, commission and handover small scale solar photovoltaic systems	35	D/602/3086
QPAT3/001A	In-Service Inspection and Testing of Electrical Equipment PAT	35	K/505/0183