

Qualification overview

Level 3 Awards in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations (2921-32)

Version 1.0





1. Qualification at a glance

Title and Level	City & Guilds Level 3 Award in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations
Subject area	Building Services Industry
City & Guilds number	2921-32
Regulatory reference number	610/1497/7
GLH	24
TQT	28
Age group approved	18+
Assessment	<ul style="list-style-type: none"> • Short-answer and scenario-based questions • Project
Grading	Pass / Fail
Support materials	<ul style="list-style-type: none"> • Qualification handbook • Assessment pack
Registration and certification	Consult the Walled Garden/Online Catalogue for last dates

Structure

To achieve the **City & Guilds Level 3 Award in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations (2921-32)**, learners must achieve the following mandatory unit:

City & Guilds unit number	Unit title	GLH
302/304	Design and quality assurance of largescale electric vehicle charging installations	24



2. Introduction

This document tells you what you need to do to deliver this qualification:

Area	Description
What is the purpose of this qualification	<p>This qualification is intended as a short course aimed at continual professional development supporting the development of knowledge/understanding of electric vehicle charging design and installations. The qualification is built to reflect the specific requirements in relation to:</p> <ul style="list-style-type: none">• The design and quality assurance of largescale electric vehicle charging installations <p>Learners undertaking this course may already be doing the associated roles from a practicing operative capacity, with proven and demonstrable skills in working as skilled and competent electricians and/or electrical installers. Validation of these skills and level of competence are reflected in the entry requirements for this qualification.</p>
Who is this qualification for?	<p>This qualification is aimed at practicing electricians interested in understanding how to design and install the range of electric vehicle charging equipment and systems available. They aim to provide expert guidance to learners wishing to gain further knowledge and understanding of electric vehicle charging equipment design and installation.</p>
What does this qualification cover?	<p>This qualification covers how to redesign commercial premises and public spaces to accommodate electric vehicle chargers and the electrical supply systems. It also covers the safety requirements, maintenance strategy and technical assurance process for designing electric vehicle charging sites.</p>
Who did we develop the qualification with?	<p>BP, Shell, Connected Kerb as well as the wider Electrotechnical sector institutions.</p>
Is it part of an apprenticeship framework or initiative?	<p>No.</p>

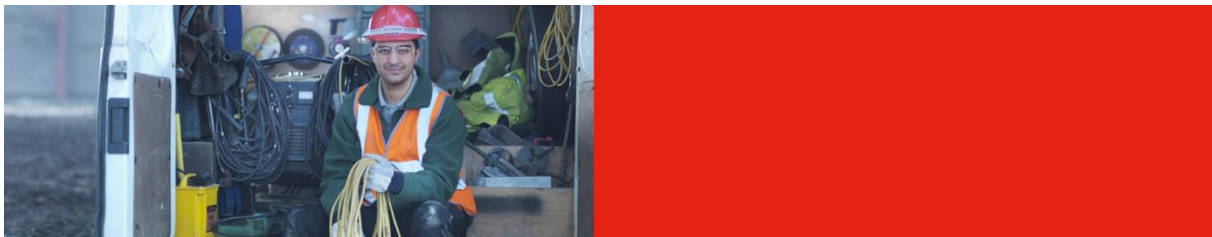
3. Centre Requirements

Approval

Full approval

To offer the City & Guilds Level 3 Award in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations (2921-32), new centres will need to gain both centre and qualification approval.

Please refer to the document Quality Assurance Standards: Centre Approval Process for further information. Centres wishing to gain approval to deliver this qualification must fill out an [expression of interest](#) on the 2921 qualification page.



Resource requirements

Centre staffing

Staff delivering this qualification must be able to demonstrate that they meet the following occupational expertise requirements. They should:

- be occupationally competent or technically knowledgeable in the area(s) for which they are delivering training and/or have experience of providing training. This knowledge must be to the same level as the training being delivered
- have recent relevant experience in the specific area they will be assessing
- have credible experience of providing training.

Centre staff may undertake more than one role, e.g., tutor and assessor or internal quality assurer, but cannot internally verify their own assessments.

Continuing professional development (CPD)

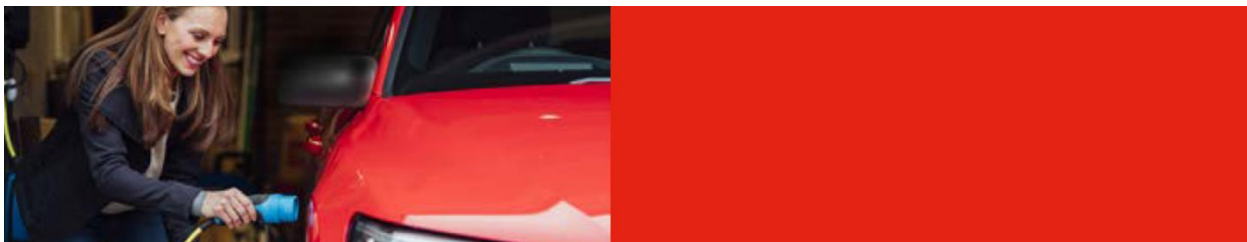
Centres are expected to support their staff in ensuring that their knowledge remains current of the occupational area and of best practice in delivery, mentoring, training, assessment and quality assurance, and that it takes account of any national or legislative developments.

Quality assurance

Approved centres must have effective quality assurance systems to ensure optimum delivery and assessment of qualifications. Quality assurance includes initial centre approval, qualification approval and the centre's own internal procedures for monitoring quality. Centres are responsible for internal quality assurance and City & Guilds is responsible for external quality assurance. For more detail on this visit the Quality Assurance Standards documents on the City & Guilds website.

Standards and rigorous quality assurance are maintained by the use of:

- Internal quality assurance
- City & Guilds external quality assurance.



Learner entry requirements

This qualification is intended for practicing electricians. Learners **must** hold one of the following:

- City & Guilds Level 3 NVQ Diploma in Installing Electrotechnical Systems and Equipment (Buildings, Structures and the Environment) (2357-13/91)
 - City & Guilds Level 3 NVQ Diploma in Electrotechnical Services (Electrical Maintenance) (2357-23/92)
 - City & Guilds Level 3 in Electrotechnical Services Experienced Worker (2356-99)
 - City & Guilds Level 3 Electrotechnical Experienced Worker Qualification (2346-03)
 - Equivalent historical qualifications (see EAS Table 4B/4C) [EAS Qualifications guide December 2020 \(theiet.org\)](#)
- or
- ECS Gold Card, JIB Electrician or Approved Electrician Card

For learners in Scotland:

- Any of the above or
- SVQ in Electrical Installation at SCQF level 7 + up to date BS 7671 Requirements for Electrical Installations

Other Awarding Organisation equivalences will also be acceptable.

For the City & Guilds Level 3 Award in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations (2921-32), other appropriate qualifications in the design of electrical systems should also be considered such as:

- HNC Diploma in Electrical and Electronic Engineering
- City & Guilds Level 4 Award in the Design and Verification of Electrical Installations (2396)

The qualifications above must have been achieved no more than 5 years prior to starting this qualification or there must be evidence the candidate has remained current by completing relevant CPD such as the City & Guilds Level 3 Award in the Requirements for Electrical Installations BS 7671:2018 (2382-22) or equivalent.

Age restrictions

This qualification is approved for learners aged 18 or above.

4. Assessment

City & Guilds Level 3 Award in the Design and Quality Assurance of Largescale Electric Vehicle Charging Installations (2921-32)

Candidates must successfully complete:

- 1 examination consisting of short-answer and scenario-based questions
- 1 project

Unit	Title	Assessment method
302	Design and quality assurance of largescale electric vehicle charging installations	Short-answer and scenario-based questions – externally set internally marked
304	Design and quality assurance of largescale electric vehicle charging installations	Project – externally set internally marked

Time constraints

Qualification registration is valid for three years.

Contact us

Please visit the Contact Us section of the City & Guilds website, [Contact us](#)

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We believe in a world where people and organisations have the confidence and capabilities to prosper, today and in the future. So we work with like-minded partners to develop the skills that industries demand across the world.

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