



Level 1 Certificate in

**Access to Building Services Engineering**

# CONSTRUCTION

## Qualification Specification

### Overview

This qualification enables learners to acquire fundamental knowledge and some of the practical aspects involved in the various occupations within the Building Services Engineering sector. It does not require any occupational evidence.

### Typical Job

Labourer, Apprentice

Qualification code:	600/1063/0
Level:	1
Total qualification time:	340 hours
Guided learning hours:	301
Credits:	34
Age Range:	14 +16-18, 19+

Issue 1.0

## Purpose of the qualification

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This qualification covers the basic knowledge and some limited application of a variety of activities within the Building Services Engineering (BSE) sector including:

- fundamentals of safe working
- fundamental electrical installation operations
- fundamental heating & ventilating operations
- fundamental plumbing operations
- fundamental refrigeration & air conditioning operations
- fundamental scientific principles in BSE
- fundamental environmental protection measures within BSE

It is for individuals who are interested in a future career in the building services sector. It allows learners to gain an understanding of the various occupations within BSE and provides a platform to enable progression into a more specialised qualification.

## What could this qualification lead to?

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This qualification offers many progression opportunities for the learner – from apprenticeships to wider employment.

## Entry Requirements

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Learners must have the potential to achieve the assessment criteria set out in the units.

## How is the qualification achieved?

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The learner must present evidence which clearly shows they have met the assessment criteria and learning outcomes.

## What will be assessed?

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All evidence submitted by the learner against the assessment criteria.

## How will it be assessed?

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The assessment of this qualification is by:

- completion of a portfolio of evidence
- multiple choice examination
- written and practical examination .

## Structure

### EAL Level 1 Certificate in Access to Building Services Engineering

This qualification has 301 guided learning hours (GLH) and 34 credits. It has a total qualification time of 340 hours which is the notional time required by the learner to complete the qualification. The learner must complete all of the mandatory units listed below.

Mandatory units:

EAL Code	Unit Title	Credit	GLH	Ofqual Code
QACC1/01	Understand and demonstrate fundamental safe working practices in building services engineering	5	48	F/502/8173
QACC1/02	Understand fundamental environmental protection measures within building services engineering	2	19	H/502/8179
QACC1/03	Understand fundamental scientific principles within building services engineering	3	28	Y/502/8180
QACC1/04	Introduction to building services engineering	4	38	D/502/8178
QACC1/05*	Understand and demonstrate fundamental refrigeration and air conditioning operations	5	42	L/502/8175
QACC1/06*	Understand and demonstrate fundamental electrical installation operations	5	42	J/502/8174
QACC1/07*	Understand and demonstrate fundamental heating and ventilating operations	5	42	R/502/8176
QACC1/08*	Understand and demonstrate fundamental plumbing operations	5	42	Y/502/8177

Units marked with an asterisk \* can be carried forward to the EAL Level 2 Diploma in Access to Building Services Engineering

