



Level 2 Diploma in **ACCESS TO BUILDING SERVICES ENGINEERING**

Qualification Specification

Overview

This qualification in the access to building services engineering have been developed to enable learners to acquire the fundamental knowledge and some of the practical aspects involved within the various engineering occupations within the building services sector.

This qualification does not requires any occupational evidence.

Typical Job

A career in the building services engineering sector, and further study.

| | |
|---------------------------|------------|
| Qualification code: | 600/1023/X |
| Level: | 2 |
| Total qualification time: | 450 |
| Guided learning hours: | 398 |
| Minimum learning age: | 16 |



Purpose of qualification

The qualification in the access to building services engineering have been developed to enable learners to acquire the fundamental knowledge and some of the practical aspects involved within the various engineering occupations within the building services sector. More specifically, it provides learners with the required underpinning knowledge and understanding required by someone working in the building services engineering industry.

The qualification covers a wide range of subjects including electrical installation operations, plumbing operations, refrigeration & air conditioning operations and heating & ventilating operations.

What does this qualification cover?

This qualification has EIGHT core mandatory units covering all the criteria a learner will need to know and be able to demonstrate in order to work within the plumbing industry at the level achieved, the structure is listed on page 3.

Who is this qualification for?

This qualification is predominantly for learners who may have a limited prior knowledge and understanding of the building services engineering sector but have the ability to achieve a fundamental level BSE qualification. The qualification may also be suitable for learners who are interested in building services engineering and/or are considering a career change.

It is suitable for learners aged:

- 16-18
- 19+

Who supports this qualification?

This qualification is:

- Accredited by Ofqual at level 2

What could this qualification lead to?

Progression opportunities:

The building services engineering qualification will not automatically qualify learners to work in building services. However, the qualification shares units which gives an accelerated progression for those learners whom complete the level 2 diploma and it does offer a stepping stone into employment by providing learners with the opportunity to progress to one of the following apprenticeships and/or Industry recognised qualifications:

Apprenticeships:

- Plumbing and Heating
- Domestic Heating

Industry Recognised Qualifications:

- EAL Level 2 Award in Plumbing and Heating
- EAL Level 2 Certificate in Plumbing and Heating
- EAL Level 2 Diploma in Plumbing and Heating
- EAL Level 2 NVQ Diploma in Plumbing and Heating
- EAL Level 2 NVQ Diploma in Heating
- EAL Level 3 NVQ Diploma in Plumbing and Heating
- EAL Level 3 NVQ Diploma in Heating

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 to comply with the health and safety aspects of the scheme, 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 EIGHT mandatory units, including any related on-screen examinations and Centre marked assignments/practical tests

What will be assessed?

This qualification is made up of units to which appropriate assessment methods have been applied. The units contain the learning outcomes and the assessment criteria that the learner is to be assessed against.

All learning outcomes within the qualification will be assessed. In order to meet this requirement, it is advised that centres should maintain an assessment and feedback record for each learner. This will detail the evidence evaluated against the learning outcome and the feedback given to the learner. All learner evidence must be available to the EAL External Quality Assurer.

How will it be assessed?

The internal assessments will be a combination of on-screen exams, written and short answers and simulated practical assessments

The internal assessments are set by EAL and the on-screen exam is marked by EAL and all other internal assessments are marked by members of the delivery team at the Centre.

Where the assessment takes the form of written/short answer or multiple choice question papers, these must be treated as controlled assessments.

Structure

This qualification will be obtained by completing the mandatory units.

Achievement of the qualification will require at least 398 Guided Learning Hours (GLH) and has 450 hours Total Qualification Time.

Mandatory units: this unit must be completed:

| Unit | Unit title | Credit value | GLH | Ofqual Code |
|-----------|--|--------------|-----|-------------|
| QBSE2/01* | Understand and carry out safe working practices in building services engineering | 10 | 88 | J/602/2479 |
| QBSE2/03* | Understand how to apply environmental protection measures within BSE | 4 | 38 | D/602/2486 |
| QMES2/01* | Understand how to apply scientific principles within MES | 7 | 66 | J/602/2496 |
| QACC1/05* | Understand and demonstrate fundamental refrigeration & 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 & ventilating operations | 5 | 42 | R/502/8176 |
| QACC1/08* | Understand and demonstrate fundamental plumbing operations | 5 | 42 | Y/502/8177 |
| QACC2/09 | Understand the roles, responsibilities and procedures within building services engineering | 4 | 38 | D/502/8181 |

*Units may be achieved in the EAL Level 1 Certificate in Access to Building Services Engineering.

*Units can be carried forward as a whole or part to an EAL Level 2 NVQ Diploma and/or Apprenticeship (Electrotechnical or Plumbing).