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APPRENTICESHIP

# BUILDING SERVICES ENGINEERING SERVICE & MAINTENANCE ENGINEER

The Building Services Engineering Service and Maintenance Engineer Apprenticeship is a comprehensive training programme that prepares individuals for a career in building services engineering. This apprenticeship covers a range of topics, including heating, ventilation, air conditioning, plumbing, electrical systems, and maintenance.

Upon completion of the apprenticeship, apprentices will have a deep understanding of building services engineering and will be able to work effectively in a variety of settings, including commercial, industrial, and residential properties. They will also be equipped with the skills and knowledge to diagnose and repair common issues in building services systems, such as faults in heating or air conditioning systems, and carry out routine maintenance. This apprenticeship involves 2 days of practical training block release every quarter at our Worcester Training Centre.



**Level 3**



**£0 to £900**

*Maximum cost for non-levy employers and micro-businesses*



**36+ months**

*Approximate on-programme training  
(does not include EPA period)*



**£18,000**

*Maximum cost/funding for levy employers*



### Knowledge

- Safety at the workplace
- Working sustainably
- Planning and preparing
- Undertaking planned and reactive maintenance



### Skills

- Managing Tasks and Communication
- Mechanical & Electrical Systems
- Mechanical & Electrical Testing
- Planned and Reactive Maintenance
- Air Conditioning and Cooling Systems
- Working Safely and Customer Interaction
- Waste Systems and Drainage
- Water Treatment and Testing
- Sustainability



### Behaviours

- Communicating Effectively
- Working effectively and efficiently
- Taking responsibility
- Managing tasks
- Working with others
- Working Ethically
- Continuing Personal Development

## ENROLMENT TIMELINE

- 01 Complete the online skills scan
- 02 Accept the Team's invitation to an induction session
- 03 Register in Bud (photo evidence of ID required)
- 04 Complete initial assessments (Functional Skills)
- 05 Attend enrolment session
- 06 Sign enrolment forms

CONGRATULATIONS YOU ARE NOW ON THE PROGRAMME


# BUILDING SERVICES ENGINEERING SERVICE & MAINTENANCE ENGINEER ROADMAP

Modules are delivered holistically through-out the programme.

39+ months

36+ months

3+ months

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7	Module 8	Module 9	Module 10	Module 11	Module 12	End-Point Assessment
Apprenticeship Induction	Managing Tasks and Communication	Mechanical & Electrical Systems	Mechanical & Electrical Testing	Planned and Reactive Maintenance	Air Conditioning and Cooling Systems	Working Safely and Customer Interaction	Waste Systems and Drainage	Water Treatment and Testing	Sustainability	Knowledge, Skills and Behaviours	End-Point Assessment Preparation	
<b>INDUCTION</b>	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Online Masterclass	Knowledge Test Written Scenario Based Project Practical Observation Professional Discussion
KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	KSBs	<b>EPA GATEWAY</b>
Preparing for your apprenticeship training	Time & Project Management Roles and Responsibilities of relevant people	The scientific principles – <b>Electricity</b>	The decommissioning, fault finding, fault diagnosis and component replacement	Planning & Preparing Risk Assessment Plan work programmes, within contract requirements and complete the necessary reports, highlighting cost savings, cost control systems, contract requirements	The scientific principles – <b>Heat</b> How to adjust building management systems set points, time schedules and temperatures	<ul style="list-style-type: none"> <li>• PUIWER</li> <li>• RIDDOR</li> <li>• COSHH</li> <li>• LOLER</li> <li>• MHOR</li> <li>• PPE</li> </ul> Electricity at Work Regulations Work at Height Regulations The Control of Asbestos Regulations Building Regulations	The testing and re-commissioning techniques for industrial and commercial waste (effluent discharge) and drainage systems	Water as a resource covering the legislation and regulations governing maintenance and repair, installation, hygiene and legionella	The scientific principles – <b>Measurement</b> The scientific principles – <b>Force and Pressure</b> Environmental protection measures	Revision	Knowledge Test Written Scenario Based Project Practical Observation Professional Discussion	
1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	1-2-1 tutor review	<b>LIVE ASSESSMENT</b> Practical Observation Professional Discussion

🔍 Formal review every 8-12 weeks

0 - 6 months Functional Skills based on Prior Qualifications and Assessment results

A practical training block release for 2 consecutive days every quarter at the GLP Training centre in Worcester

