

BPEC Purpose Statement

Title of the Qualification	BPEC Level 3 Award in Ground Source Heat Pump Systems (Non-refrigerant Circuits)
Qualification Number (QN)	610/0820/5
Overview	<p>The purpose of this qualification is for learners to be able to develop the skills and knowledge necessary to plan, select, install, commission, maintain, service and repair ground source heat pumps systems within the Building Services Engineering (BSE) renewable sector. The target groups for the qualification are those learners who are:</p> <ol style="list-style-type: none"> 1. Updating occupational competence, continuous professional development and/or obtaining a licence to practice 2. Preparing for further learning or training and/or developing knowledge and/or skills in a subject area and are existing workers in the occupation seeking to extend their range of work
Who is this qualification for?	<p>This qualification is for those learners currently employed in the plumbing and domestic heating industry, providing them with the necessary training to develop their existing skills. Learners will be required to demonstrate the necessary abilities, skills, and knowledge to be able to plan, select, install and commission ground source heat pump systems. In addition to this, learners will also demonstrate a knowledge of service, maintenance and fault diagnosis and fault rectification of ground source heat pump systems.</p>
What does this qualification cover?	<p>The qualification provides learners with knowledge of ground source heat pumps and builds on previous experience within the plumbing and heating sectors. It provides learners with the knowledge and practical skills required to further their career in the renewables area of the plumbing and heating occupations.</p> <p>The qualification has FOUR mandatory units. These cover the essential knowledge and understanding that is required by an experienced plumbing and heating specialist wishing to enter the field of ground source heat pump technologies, including:</p> <ul style="list-style-type: none"> • Know the requirements to size, select, install, commission and handover ground source heat pump systems (non-refrigerant circuits). • Plan, prepare and install a ground source heat pump (Non-refrigerant circuits) • Commission and handover ground source heat pumps (Non-refrigerant circuits)

	<ul style="list-style-type: none"> Know the requirements to inspect, service and maintain ground source heat pump systems (Non-refrigerant circuits)
What could this qualification lead to?	This qualification is a pre-requisite for the Microgeneration Certification Scheme (MCS) recognition and membership.
Will the qualification lead to employment?	Successful completion of this qualification proves that learners are able to plan, install, commission, service, maintain and fault diagnose ground source heat pump systems and installations, and therefore will extend career opportunities in the emerging technologies field.
Will the qualification lead to further learning?	Learners may progress to achieve the BPEC Level 3 Award in Air Source Heat Pumps qualification.
Who supports this qualification?	This Qualification is supported by industry and regulated by OFQUAL. Letters of support are available to read via the BPEC website: https://bpec.org.uk