

## Purpose statement

The following purpose is for the **Level 3 Diploma in Gas Utilisation (601/6533/9)**

Area	Description
OVERVIEW	
What does this qualification cover?	<p>The City &amp; Guilds Level 3 Diploma in Gas Utilisation helps develop the essential skills needed to work in Gas Utilisation.</p> <p>This qualification has two pathways</p> <ul style="list-style-type: none"> <li>• Technical Installation Engineer (148 Credits)</li> <li>• Technical Maintenance Engineer (185 Credits)</li> </ul> <p>Both pathways have mandatory units such as:</p> <ul style="list-style-type: none"> <li>• Tightness test, purge, commission and de-commission gas pipework up to 35mm (1 ¼) diameter in small natural gas installations</li> <li>• Delivery of effective customer service</li> <li>• Understand the principles and operation of Government energy efficiency incentives</li> <li>• Understand the use of energy efficiency measures on existing buildings</li> <li>• Understand insulation and building treatment methods</li> <li>• Understand air quality and ventilation requirements for buildings</li> <li>• Understanding health and safety in gas utilisation</li> <li>• Understanding scientific principles in gas utilisation</li> <li>• Understanding combustion and properties of gas</li> <li>• Understanding buildings, services and structures</li> <li>• Understanding gas safety</li> <li>• Specific core installation and maintenance</li> <li>• Install, commission and de-commission gas pipework up to 35mm (1 ¼) diameter in domestic and small commercial premises</li> <li>• Water compulsory core</li> <li>• Water Supply 'Water Fittings' Regulations and Water Byelaws in the UK</li> <li>• The installation, commissioning and safety aspect of hot water systems for domestic use in accordance with UK building regulations</li> </ul>

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For further information on the structure and the units that must be taken, please refer to the qualification handbook on the website:

**<http://www.cityandguilds.com/qualifications-and-apprenticeships/utilities/utilities/6014-gas-utilisation#tab=documents>**

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#### WHAT COULD THIS QUALIFICATION LEAD TO?

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Why choose this qualification over similar qualifications?

There are other qualifications in Gas Utilisation which cover Installation or Maintenance in many different Gas appliances but this qualification also covers Customer Service, Water Regulations and Energy Efficiency which employers' value.

This qualification combined with experience could enable progression to a supervisory or management role.

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Alternatives routes to achieve the same outcome?

This qualifications also form part of the Level 3 Advanced Level Apprenticeship in Gas Heating and Energy Efficiency.

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How this qualification supports the identified outcome(s)?

This qualification will give you competence in the appropriate categories and will enable you to apply for Gas Safe registration.

This will enable you to comply with legal requirements to work with Gas Appliances.

Each qualification has a specific set of Gas Safe categories for which you will qualify. Additional categories for other appliances can be added at a later date.

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#### WHO SUPPORTS THIS QUALIFICATION?

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Employer/Higher Education Institutions

This qualification has been designed and supported to meet the need of Engineers with British Gas and is used in their in house training programmes.

This qualification is supported by Gas Safe.

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