

*Apprenticeship*  
**DIPLOMA IN**  
**GAS ENGINEERING**  
*Level 3*



*train / grow / succeed*

## **Apprenticeship**

# **DIPLOMA IN GAS ENGINEERING**

### **Level 3**

The Level 3 Diploma in Gas Engineering is for individuals who are currently working or want to work within the Gas Sector as a gas engineer.

It allows learners to develop the knowledge and practise the skills required for employment in the gas engineering industry. It has been designed to support the on-programme element of the Gas Engineering Level 3 Apprenticeship Standard.

#### **Who is the course aimed at?**

Anyone who is new to the industry, or has a related qualification such as Plumbing, and wishes to further develop their skills base.

#### **What will you study?**

- ▶ *Health and safety in gas utilisation*
- ▶ *Scientific principles in gas utilisation*
- ▶ *Combustion and properties of gas*
- ▶ *Buildings, services and structures*
- ▶ *Gas safety principles*
- ▶ *Specific core installation and maintenance*
- ▶ *Tightness test, purge, commission and de-commission gas pipework up to 35 mm (1½) diameter in small gas installations*

#### **Qualification gained**

- ▶ *Level 3 Diploma in Gas Engineering*

- ▶ *Install, commission and de-commission gas pipework up to 35 mm (1½) diameter in domestic and small commercial premises*
- ▶ *Install domestic gas cookers, tumble dryers and leisure appliances*
- ▶ *Maintain domestic gas cookers, tumble dryers and leisure appliances*
- ▶ *Install domestic gas water heaters and wet central heating appliances*
- ▶ *Maintain gas water heating and wet central heating appliances*

#### **Knowledge and skills that you will develop**

An in depth knowledge on a range of installation, service and maintenance techniques for domestic gas appliances, along with a sound understanding of the current regulations and British Standards.

Learners are required to gain Level 2 English and maths for the Gas standard.

#### **Behaviours you will develop**

Competency on the installation, service and maintenance techniques for domestic gas appliances, along with a sound understanding of the current regulations and British Standards.

#### **Progression to further study**

On completion of the Level 3 Diploma in Gas Engineering qualification, learners can apply to become a member of Gas Safe Register and receive a licence card for the relevant gas categories.

#### **Entry requirements**

Employment as an apprentice with a Gas safe registered company that holds current CCN1/CENWAT/MET1/HTR1/CKR1 qualifications.

#### **How long will it last?**

Two years

#### **How will it be delivered?**

2 days per week in college - 1 day theory and 1 day practical plus any functional skills required.

#### **How will it be assessed?**

- ▶ *Paper based multiple choice exams*
- ▶ *Demonstration of skill in the simulation workshop*
- ▶ *Onsite assessment activities*
- ▶ *Portfolio of evidence and knowledge gained*
- ▶ *End point assessment*

#### **Further details**

On completion of the qualification, all apprentices will be required to undertake an end point assessment at an alternative venue to Southport College in order to fully complete the apprenticeship.

#### **Who to contact**

- ▶ *For more information please contact our Workforce Development Team on 01704 392874*