

This apprenticeship is for aspiring engineers who like to work with their hands as well as their heads. This programme focuses on the production of complex formed pipework and pipework systems including pumps, valves, filters and tanks.

Apprentices learn skills and processes such as bending and forming shaped pipe to create new systems or to repair existing failing systems, and the production of joint preparations including welded, threaded and flange plated connections to pipes.

PIPEFITTING ENGINEERING

What's involved?

The range of skills Apprentices develop includes:

- Measuring and developing pipe system drawings and specifications
- Use of hand anshape pipe and prepare threaded joints
- Introduction to welding equipment to set up welded pipe joints
- Installation of completed sub assemblies into working pipe systems
- Testing of pipe systems before and after manufacture or repair
- Working to advanced industrial safety standards
- Working with a range of materials including steel, alloys, high quality finished stainless steel and chrome treated pipe-work, copper and plastic pipe systems

Please Note:

This Apprenticeship programme does not cover plumbing, despite the working with copper and plastics.

What qualifications will I achieve?

Apprenticeships are available at:

Intermediate, Advanced and Higher Level and are made up of the following five elements:

- **A Competence Element**
Such as a Certificate or Diploma at Level 2, 3 or 4
- **A Knowledge Element**
Underpinning / theoretical knowledge, which will require attendance at college
- **Functional Skills**
In English, Mathematics and ICT at the required level, which will usually require attendance at college
- **Personal Learning and Thinking Skills**
- An understanding of Employee Rights and Responsibilities through assignment based activities.

Progression to Higher National Certificates (HNC) may be an option for progressing your career.

