

Engineering design is at the forefront of the modern world whether it is in the development of new motor vehicles, modern buildings, super long underground tunnels, super span bridges, fast aircraft, sub components for integrated engineering systems, ultimately every aspect of our daily lives are in some way subject to change and improvement.

The design and draughting of workable design specifications and drawings is critical to turning ideas into reality. The essential skills of Computer Aided Design using modern software and advanced technologies to create these materials are part of your ongoing training and development.

DESIGN AND DRAUGHTING TECHNICIAN

What's involved?

The range of skills Apprentices develop includes:

- Contributing to effective working relationships in engineering construction, working safely and minimising risks in engineering
- Reading and extracting technical information from engineering drawings

You will also learn the theory and principles involved in:

- Producing detailed engineering construction drawings to specifications and draughting conventions
- Evaluating and understanding factors affecting design
- How to develop engineering design options and evaluate engineering design options
- How to complete engineering designs
- Communicate engineering design options

What qualifications will I achieve?

You will work towards qualifications, ranging from Intermediate at level 2, Advanced at level 3 and potentially Higher level 4 subject to your role in employment.

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

