

APPRENTICESHIP INFORMATION SHEET

ENGINEERING DESIGN AND DRAUGHTSPERSON

Introduction

Engineering design and draughtspersons produce designs and drawings for structures, piping, electrical systems, control and instrumentation systems and mechanical components used in industrial and commercial construction.

Typically, jobholders work in a wide range of industries of national importance including power and water infrastructure, petrochemical, oil and gas, nuclear, food and drink processing. Jobholders are based at office locations within project design teams and occasionally work at on-site locations. They are required to understand on-site hazards and health and safety requirements.

Occupational role

There are five main disciplines within the occupation of Engineering Design and Draughtsperson. An apprentice gains an understanding across all these disciplines and will typically specialise in one or more:

- Electrical Design and Draughtsperson
- Control and Instrumentation Design and Draughtsperson
- Mechanical Design and Draughtsperson
- Piping Design and Draughtsperson
- Structural Design and Draughtsperson

Funding Band 15 (Maximum £27,000)	Level 3 Duration Typically 42 months
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Entry requirements

Employers set the selection criteria. This will typically include a requirement for a minimum of 5 GCSE grades A*-C (or equivalent qualifications) including mathematics (preferably B); English (Language); a science or technical subject.

Apprentices must have achieved a GCSE to at least a grade C, a level 2 qualification in Functional Skills, or an equivalent qualification in both English and mathematics before being entered for their final apprenticeship assessment.

Content

The apprenticeship includes core skills, core technical knowledge, and core behaviours required by Engineering Design and Draughtspersons.

End Point Assessment

Overview of assessment

The end point assessment covers all of the skills, knowledge and behaviours in the Standard. It will take place during the last three months of the apprenticeship using independent assessors appointed by QFI and the methods shown below:

Portfolio marked by the employer

This will also be reviewed by QFI to inform discussion at the Structured Interview.

Knowledge test

Containing multiple choice answer and scenario based questions.

Practical test

Based upon a project brief issued to the apprentice a week before the test,

Structured interview

Exploring what has been produced in the portfolio

Readiness for assessment

The decision as to when an apprentice is ready to take the end point assessment phase will be made by the employer and the training provider.

Grading

This apprenticeship is graded by the independent assessor appointed by QFI and passes with be awarded either a pass, a merit or a distinction.

Professional Recognition

This standard has been designed to meet the professional standards of the Engineering Council for registration as an Engineering Technician (EngTech) in partnership with the appropriate institutions as shown below:

- Institution of Mechanical Engineers (IMechE) (for piping and mechanical)
- Institution of Structural Engineers (IStructE)
- Institution of Engineering and Technology (IET) (for electrical and mechanical)
- Institution of Engineering Designers (IED)

Professional registration is subject to candidates successfully completing this apprenticeship and undergoing professional review.

Why choose QFI

QFI is listed on the Register of Apprenticeship Assessment Organisations to assess this apprenticeship Standard. We have access to specialist assessors across the range of specialisms. We will work with you to ensure that the end-point assessment runs as smoothly as possible providing support for any staff involved in the process. Contact us now to discuss your requirements info@qfi.co.uk