

Engineering

Engineering: Design and Draughtsperson Level 3 Apprenticeship

In Brief

Start Date / Duration

You may start an apprenticeship at any time. This apprenticeship can take up to 27 months to complete.

Entry Requirements

- Specific entry requirements for this apprenticeship will be decided by each employer but ideally you will hold five GCSEs at grade C/4 or above including English and maths.
- You will need to find an employer to employ you as an apprentice. Please see our [Apprenticeship vacancies](#).

You will achieve

Design and Draughtsperson Level 3 Apprenticeship standard.

Course Overview

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.

The jobholder must:

- Understand technical drawings and specifications and be able to create their own

- Identify factors likely to affect design decisions
- Produce CAD (computer aided design) models and engineering drawings
- Be able to communicate design information to internal and external parties

Click here [<https://www.instituteforapprenticeships.org/apprenticeship-standards/engineering-design-and-draughtsperson/>] for further information regarding the Standard Apprenticeship

Course Content

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

How will I be assessed?

You will be assessed by assignments, on-line tests and workplace observation. There will be an end point assessment for this apprenticeship

What Equipment Will I Need?

All equipment will be provided.

Where will I study?

You will study within the workplace and attend classes if required at Barnsley College's The Cube (Construction Centre), Honeywell Lane, Barnsley S75 1BP

What can I do next?

On completion of this pathway, you could progress onto further qualifications specific to your work context. This could be a Level 4 Construction and the Built Environment HNC course or apprenticeship.

How much does the course cost?

There is no cost to being an apprentice. All costs associated with your apprenticeship, including the cost of training and your salary, will be paid by your employer.

Financial support

You may be eligible for assistance with expenses such as travel, books, equipment and childcare. For further information please contact the Student Services Team on +44 (0)1226 216 267.

Extra information

Contact the Apprenticeship Team

For further information please contact the team on 01226 216166 or email: apprenticeships@barnsley.ac.uk [mailto:apprenticeships@barnsley.ac.uk]

Want to join Barnsley Sports Academy and the Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [<https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/>] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy [<https://www.barnsley.ac.uk/barnsley-sports-academy/>] .

Additional Learning Support

Our Additional Learning Support team can provide you with the support you need. Please contact them on +44 (0)1226 216 769.

English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't already have a grade C/4 or above in GCSE English and Maths they will automatically be included in your study programme. If you want to work towards higher grades in English and Maths we can help you do that too.

Need a higher level Maths qualification? We offer a [Level 3 Mathematical Studies \(Core Maths\)](#).

This can be added to your study programme.

If you need any further information, please contact our friendly [Information Team](#).

Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

Last updated: 3rd August 2022

Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started

Call us on **01226 216 123**