

Engineering

Engineering Technician Level 3 Apprenticeship

In Brief

Start Date / Duration

You can start an apprenticeship at any time. This programme will take around 42 months to complete.

Entry Requirements

- Individual employers will set the recruitment and selection criteria for their Apprenticeships. In order to optimise success, candidates will typically have 4 GCSEs at Grade C/4 or equivalent, including Mathematics, English and a Science.
- You will need to find an employer to employ you as an apprentice. Please see our [Apprenticeship vacancies](#)

You will achieve

All apprentices will be required to achieve as a minimum:

- An employer approved Level 2 Foundation Competence qualification
- An employer approved Level 3 Development Competence qualification
- An employer approved Level 3 Development Technical Knowledge qualification
- Apprentices without Level 2 English and Maths will need to achieve this level prior to taking end point assessment

Engineering Technicians in the Aerospace, Aviation, Automotive, Maritime Defence and wider Advanced Manufacturing and Engineering Sector are predominantly involved in highly skilled, complex work and must, as a minimum be able to:

- Apply safe systems of working
- Make a technical contribution to either the design, development, quality assurance, manufacture, installation, commissioning, decommissioning, operation or maintenance of products, equipment, systems, processes or services
- Apply proven techniques and procedures to solve engineering/manufacturing problems
- Demonstrate effective interpersonal skills in communicating both technical and non-technical information
- Have a commitment to continued professional development

Profession progression from this apprenticeship are into

- Mechatronics Maintenance Technician
- Product Design and Development Technician
- Technical Support Technician

Engineering Technicians take responsibility for the quality and accuracy of the work they undertake within the limits of their personal authority. They also need to be able to demonstrate a core set of behaviours in order to be competent in their job role, complement wider business strategy and development. This will enable them to support their long term career development.

Engineered and manufactured products and systems that Engineering Technicians work on could involve mechanical, electrical, electronic, electromechanical and fluid power components/systems.

Course Content

Learners will show competence in the following areas;

- Health and safety in the engineering workplace
- Communications for engineering technicians
- Engineering project
- Mathematics for engineering technicians
- Mechanical principles and applications
- Electrical and electronic principles
- Engineering design
- Properties and applications of engineering materials
- Engineering drawing for technicians
- Numerical control CNC programming
- Engineering secondary and finishing techniques

For further information, please see the apprenticeship standard information page

<https://www.instituteforapprenticeships.org/apprenticeship-standards/engineering-technician/>
[<https://www.instituteforapprenticeships.org/apprenticeship-standards/engineering-technician/>]

How will I be assessed?

You will be assessed by your assessor using a portfolio of evidence, practical demonstrations and assignments. You will be assessed both in College and in your place of work.

What Equipment Will I Need?

You will be required to provide paper, writing materials, A4 ring binder file, extra wide dividers and clear plastic wallets.

Where will I study?

You will study within the workplace and attend classes at Barnsley College's (STEM) Science Technology Engineering and Math's Centre, Old Mill Lane, Barnsley, S70 2LA.

What can I do next?

Upon completion you could progress onto the Higher Apprenticeship in Engineering Technology or apply for job roles including:

- Technical Support Assistant
- Design Engineer / Project Engineer / Quality Engineer
- CAD operator
- Programmer

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.

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Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started
Call us on **01226 216 123**