

Engineering

Engineering Technology Level 3 Full-time

In Brief

Start Date

This one year study programme starts in September

Entry Requirements

Level 2 In Engineering Technology

You will achieve

Level 3 Diploma in Engineering Technology

Course Overview

AMCO·GIFFEN

ArdaghGroup  **PREMDOR[®]**
ACADEMY
 Part of the Masonite Group

Students enrolling on to this course will have the unique opportunity of becoming Academy

Learners. Students will be given exclusive access to career talks, career advice and visits to the company and industry related work experience. Students who show their commitment to their studies and a good ability will be offered a Level 3 Engineering apprenticeship

Mechanical engineers develop and design components and machinery used in many industries like manufacturing, construction, water, power, health and transport. They also manage teams of technicians and craftspeople who carry out installation and maintenance work. You could design and oversee the manufacturing of many products ranging from medical devices to new batteries. Mechanical engineers design power-producing machines such as electric generators, internal combustion engines, and steam and gas turbines as well as power-using machines, such as refrigeration and air-conditioning systems. You could also design other machines inside buildings, such as elevators and escalators, as well as design material-handling systems, such as conveyor systems and automated transfer stations. If you are technically minded, good at maths and science, and like solving problems, a professional career in engineering could be a great move for you.

Course Content

The qualification has seven pathways, each comprising two core units covering engineering principles and technology, and environmental health and safety, along with four other mandatory units relating to key skills and knowledge in one of the following occupational areas:

- Mechanical engineering maintenance
- Fabrication and welding
- Sheet metal, plate and pipework fabrications
- Electrical engineering
- Electronics engineering
- Engineering design (CAD/CAM)
- Fluidics

You can view the course specifications here [https://eal.org.uk/PDF/Schools/6014564X_PS.pdf]

How will I be assessed?

Assessment is a mixture of coursework and external assessments

What Equipment Will I Need?

You will require a ring binder, a calculator, textbook and general stationery.

Where will I study?

Science, Technology, Engineering and Maths (STEM) Centre
Old Mill Lane
Barnsley
S70 2LA

What can I do next?

The EAL Level 3 Advanced Diploma in Engineering Technology will not automatically qualify individuals to work in specific job roles within the engineering sector. However, it does offer a stepping stone into employment by providing learners with the opportunity to progress on to one of the following apprenticeships and/or Industry recognised qualifications at level 3:

Apprenticeships;

- Mechanical engineer
- Maintenance engineer
- Fabrication and welding engineer
- Sheet metalwork engineer
- Pipework engineer
- Electrical engineer
- Electronics engineer
- Design engineer

How much does the course cost?

16 – 18 year olds

Full-time Barnsley College students aged 16-18 years old do not have to pay tuition fees.

19+ Students

Aged 19 or over and thinking about further education? You may be eligible for free or reduced course fees . Please refer to our page ['paying for your course.'](#)

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 216 114.

Extra information

Advanced Learner Loans

This course may be eligible for an Advanced Learner Loan. Contact our friendly Information Team on +44 (0)1226 216 123 or email info@barnsley.ac.uk [mailto:info@barnsley.ac.uk] . about eligibility and how to apply. You can also visit the Advanced Learner Loan

[<https://www.barnsley.ac.uk/courses/paying-for-your-course/advanced-learner-loans/>] page.

Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email info@barnsley.ac.uk [<mailto:info@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/our-departments/sport/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: 30th June 2020

Want to apply?

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

Call us on **01226 216 123**