

Engineering

Engineering: Higher National Certificate/Higher Level Apprenticeship (Part-time)

In Brief

Start Date

This course runs for two years, part-time, one day per week.

Entry Requirements

For learners 18+ years of age, who have recently been in education, the profile is likely to include one of the following:

- 32 UCAS Tariff Points from at least 2 GCSE 'A' Level with supporting GCSEs at grade 4 or above (A-C) in appropriate English, Maths and Science or Technology subjects.
- BTEC National Level 3 Subsidiary Diploma (M) plus NVQ Level 3 trade qualifications with supporting GCSEs at grade 4 or above (A-C) in appropriate English, Maths and Science or Technology subjects.
- BTEC National Level 3 Diploma (MP) with supporting GCSEs at grade 4 or above (A-C) in appropriate English, Maths and Science or Technology subjects.

Mature entrants with previous experience may be recognised through

You will achieve

BTEC Higher National Certificate in Engineering

Course Overview

The BTEC Higher National Certificate in Engineering is designed to enhance career prospects in the Engineering industry. The qualification is offered on both a part-time day release basis over two years and as part of the Higher Apprenticeship over two years.

Course Content

Unit	Unit No.	Level
Core Unit Mandatory		
Engineering Design	1	4
Engineering Maths	2	4
Engineering Science	3	4
Managing a Professional Engineering Project	4	4
General Pathway		
Mechanical Principles	8	4
Fundamentals of Thermodynamics and Heat Engines	13	4
Quality and Process Improvement	17	4
CAD for Engineering	79	4
Mechanical Engineering Pathway		
Mechanical Principles	8	4
Fundamentals of Thermodynamics and Heat Engines	13	4
Quality and Process Improvement	17	4
CAD for Engineering	79	4
Electrical Electronic Engineering Pathway		
Electrical and Electronic Principles	19	4
Electrical Systems and Fault Finding	31	4
Quality and Process Improvement	17	4
CAD for Engineering	79	4

You must complete **eight** units in total. Four mandatory and four from a specialist pathway.

The teaching team will choose the optional units.

We reserve the right to change the units offered at any time.

How will I be assessed?

Unit Assessment

The assessment will be through a series of assignments, presentations, timed assessments and projects that will enable you to provide evidence of meeting the assessment criteria.

To achieve a Pass grade for the unit, learners must meet the assessment criteria set out in the specification. Additional assessment criteria are required to achieve Merit and Distinction grades.

Course grade

Your course will be graded depending on the assessment grades that you achieve and these course points are converted to a final overall grade per module.

What Equipment Will I Need?

Scientific calculator, note taking equipment, access to the internet.

Where will I study?

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

What can I do next?

Academic progression

Academic progression is typically as shown below:

- Level 5 HND Engineering (Two years part-time or one year full-time)
- Level 6 Part-time degree course
- Level 6 Full-time degree course

How much does the course cost?

Course fees: £2,995 per year

Extra information

Disability and Dyslexia Service (DDS) Higher Education

We offer a service to any student who has a diagnosis of anything persistent or long-term which might interfere with how they study and manage their day-to-day academic engagement. The service is flexible and shaped around the needs of each individual; it might be consistent support or intermittent support.

For further information please refer to our website. [<https://www.barnsley.ac.uk/higher-education/dds-at-higher-education/>]

HE Student Finance

As a Higher Education student living in England you may be eligible for the non-means tested

Tuition Fee Loan from the Government. For further details go to:
www.direct.gov.uk/studentfinance [<http://www.direct.gov.uk/studentfinance>]

A Maintenance Loan of up to £6,904 per year will be available to eligible students living with parents or up to £8,200 per year to those living away from home. EU Students cannot apply.

Students with children or dependant adults may qualify for a Childcare Grant or Adult Dependents' Grant. Students can apply for these at the same time as applying for a Maintenance Loan.

Remember: Eligible students will not have to pay tuition fees in advance and can apply for the Maintenance Loan before they start the course.

Apply online at www.direct.gov.uk/studentfinance [<http://www.direct.gov.uk/studentfinance>]

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/>].

Disclaimer

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

Last updated: 3rd February 2021

Want to apply?

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

Call us on **01226 216 123**