

BTEC National Extended Certificate in Engineering Level 3



Course Details and Assessment

This qualification provides a broad basis of study for the engineering sector. It has been designed to support progression to higher education when taken as part of a programme of study that includes other appropriate BTEC Nationals or A Level subjects.

The course will cover the following topic areas:

In Year 1 you will study:

Unit 1 - Engineering Principles

Learners apply mathematical and physical science principles to solve electrical-, electronic- and mechanical-based engineering problems

Unit 3 - Engineering Product Design and Manufacture

Learners will explore engineering product design and manufacturing processes and will complete activities that consider function, sustainability, materials, form and other factors.

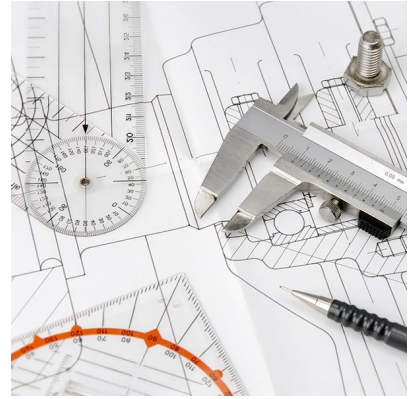
In Year 2 you will study:

Unit 2 - Delivery of Engineering Processes Safely as a Team

Learners explore how processes are undertaken by teams to create engineered products or to deliver engineering services safely.

Unit 4 - Electronic Devices and Circuits

Learners explore the operation of electronic devices and their uses in circuits through simulation and practical exercises to build and test physical analogue and digital circuits.



How is the course assessed?

Year One

Unit 1

Engineering Principles

2 hours - Exam - 80 marks

Unit 3

Engineering Product Design and Manufacture

8 hour Practical Exam - 60 marks

Grading - Pass, Merit, Distinction or Distinction*

Year Two

Unit 2

Delivery of Engineering Processes Safely as a Team

Unit 4

Electronic Devices and Circuits

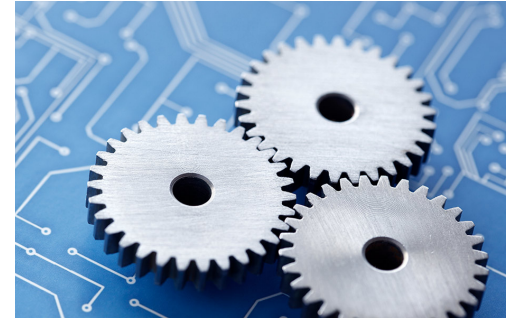
Grading - Pass, Merit, Distinction or Distinction*

“It is a great course because you learn so much about engineering!”

BTEC National Extended Certificate in Engineering Level 3

Where can Level 3 Engineering lead me?

The Pearson BTEC Level 3 National Extended Certificate in Engineering is designed for learners who are interested in a career in the engineering sector and want to progress to further study in the sector. Learners will take a practical, applied engineering course as part of their Level 3 study programme, which gives them an introduction to the sector. They will be able to combine this with other qualifications, such as a GCE A Level in Mathematics or Physics, which would allow them to progress to higher education to study engineering or other STEM-related programmes.



Possible careers include...

Engineer - Motor Industry - Electrician - Aviation

What key skills do I need?

It is an excellent opportunity for candidates to improve their employability skills such as teamwork, communication and project work; ensuring that the students are able to work to deadlines on the latest industrial practices.



Entry Requirements

To be able to study Level 3 Engineering, you must achieve:

- GCSE grade 5 in Maths
- GCSE grade 5 in English
- GCSE grade 5 in GCSE D&T OR Level 2 Engineering

Exam Board

Pearson (EDEXCEL)

Still got questions?



Speak to Mr Jones for more information

D.Jones@deyeshigh.co.uk