



Engineering

Qualification type: BTEC

Exam Board: Pearson

What will I learn?

The content of this qualification has been developed to ensure that it supports progression to higher education. Everyone taking this qualification will study two mandatory units covering the following content areas:

- Mathematics for engineering • Engineering principles • Mechanical principles
- Engineering processes.

How is my work assessed?

Externally assessed units - The units developed for external assessment are of 90 or 120 GLH to allow learners to demonstrate breadth and depth of achievement.

Internally assessed units - Learners could be given opportunities to: write up the findings of their own research • use case studies to explore complex situations • carry out projects for which they have choice over the direction and outcomes • demonstrate practical and technical skills.

What should I consider before starting this subject?

This qualification will require you to submit several written assignments which are part of your qualification. These will require you to write in length and detail. There are several external exams that you will need to revise and prepare for.

Why is this course useful and what might it lead to?

The course will allow you to follow a level 3 post 18 qualification in Engineering, include:

- BSc Hons in Electrical Engineering • BSc (Hons) in Architectural Engineering and the Built Environment
- BSc (Hons) in Computer Science

How does the qualification provide employability skills?

Where employability skills are referred to in this specification, we are generally referring to skills in the following three main categories:

- cognitive and problem-solving skills • intrapersonal skills • interpersonal skills.

How does the qualification provide transferable knowledge and skills for higher education?

The transferable skills that universities value include:

- the ability to learn independently • the ability to research actively and methodically
- being able to give presentations and being active group members • analytical and problem-solving skills • reading technical texts • effective writing

Entry requirements

GCSEs in English, Maths and Science grade 4 essential.

Where can I find out more information?

Pearson BTEC Level 3 National Certificate in Engineering