



## **ENGINEERING**

### **BTEC Level 3 National Extended Certificate in Engineering**

#### **Course Information**

This qualification provides a broad basis of study for the engineering sector. It has been designed to support progression to the workplace either directly or via study at a higher level.

The course is designed for learners who are interested in a career in engineering. Learners follow a programme of study, acquiring the knowledge, understanding and skills that will be recognised and valued by employers and higher education providers. The course requires learning that brings together knowledge and understanding with practical and technical skills. Learners will also take a practical, applied engineering course as part of their Level 3 study programme. Transferable skills are also taught and practised such as communication, teamwork, research and analysis.

#### **Course Structure**

Learners taking this qualification will study content covering:

- engineering principles and mathematics
- health & safety and team work
- interpreting and creating computer-aided engineering drawings
- design and manufacture of products.

You will also choose from either Electronic Devices & Circuits or Fabrication Manufacturing Processes

The course is assessed internally through coursework assignments and externally through an exam and a timed assessment task.

#### **Requirements**

The course is particularly suited to those with an interest in engineering, design, science and maths.

#### **Career Pathway**

Progression from this qualification can lead to a larger size qualification at Level 3 e.g. BTEC National Extended Diploma in Engineering or other related subject. The qualification is also recognised by higher education providers as contributing to meeting admission requirements for many relevant courses in a variety of areas of the engineering sector, for example:

- BEng (Hons) in Engineering
- BEng (Hons) in Electronics Engineering
- BSc (Hons) in Mathematics

This qualification supports progression to job opportunities in the engineering sector. Jobs that are available in these areas include:

- engineering operative
- manufacturing operative
- semi-skilled operative
- design engineer

This qualification also supports those who want to follow an apprenticeship in engineering who are looking to work and progress in the engineering sector as an engineering operative.



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Should you like to receive any additional information on this course please contact Mr Paul Mayfield, Head of Department.