

Engineering

CTEC Extended Certificate

Topics Studied

Mathematics for engineering
Science for engineering
Principles of mechanical engineering
Principles of electrical and electronic engineering

Plus two optional units from a range of topics such as
Mechanical design & Materials science etc.

Entry Requirements

Minimum 5 GCSEs at Grade 4 or above

Including at least Grade 5 in Maths, Science and Grade 4 in English

Course Description

The how and why things work, this is the course for the curious amongst you. To provide the opportunity through applied learning to develop the core specialist knowledge, skills and understanding required in the Engineering sector. This is the ideal course for students with a wish to study engineering through University, apprenticeship or employment and complements the current KS5 programmes in Maths, Physics, Environmental Science and Business.

This technical qualification, equivalent to one A level, develops your understanding of the fundamental skills of mathematical and scientific principles that underpin all engineering. Students will explore and design the products and systems that make up the life around us.

Learning about design and technology encourages you to develop design thinking skills that open up a world of possibility giving you the tools to create your future.



 67%

 33%