

Level 3 BTEC Engineering

The Course

BTECs are a vocational qualification well respected within the industry sector. The Level 3 Engineering BTEC is a benchmark of education used by engineering organisations for many years, and is typically studied by engineering apprentices who attend college on a day release basis.

Students have the option to study either the BTEC Extended Certificate in Engineering, which is equivalent to one A Level, or for the BTEC Diploma in Manufacturing Engineering, which is equivalent to two A Levels.

During years 1 and 2 the Extended Certificate and Manufacturing Engineering cohorts are taught common units together.

The Content

In the first year of study you typically study Engineering Principles, Engineering Design and Manufacturing, Engineering Health and Safety, Computer Aided Design in Engineering and Work Experience in the Engineering Sector.

In the second year you will continue with some of the topics above with the addition of manufacturing processes in machining and forming.

Assessment

2 units are externally examined.

3 units are coursework based.

Subject entry guidelines

Extended Certificate - GCSE Maths grade 5 or above, plus GCSE Science grade 5 or above

Diploma - GCSE Maths grade 4 or above, plus GCSE Science grade 4 or above

Pathways/Careers

Students go on to successfully study or work in many fields, including:

Mechanical Engineering

Aerospace Engineering

Motor Sport Engineering

Electronic Engineering

Engineering Design

Environmental Engineering

Robotics

Civil Engineering

CAD