

# Engineering

BTEC Level 3 National Extended Certificate

## Course Overview

Engineering is the branch of science and technology concerned with the design, building, and use of engines, machines, and structures. It involves the use of techniques and processes used to engineer a solution to a particular problem.

## Entry Requirements

- 5 recommended in all science subjects taken at GCSE, with a 5 recommended in Maths
- Minimum 5 grades in core and additional science, 5 in Maths and English. You must be willing to work hard, and be creative in your approach to problem solving.

## Year 1 BTEC National Certificate

### Unit 1: Engineering Principles.

Apply mathematical and physical science principles to solve electrical-, electronic- and mechanical-based engineering problems. Two hour externally set written exam.

### Unit 2: Delivery of Engineering Processes Safely as a Team.

Explore how processes are undertaken by teams to create engineered products or to deliver engineering services safely. Internally set series of tasks.

## Year 2 BTEC National Certificate

### Unit 3: Engineering Product Design and Manufacture.

A task externally set and marked, and completed under supervised conditions.

### Optional Unit.

Internally set series of tasks.

