

# BTEC Engineering

## Why study Engineering?

Engineering is a course that develops a wide range of skills that will stand you in good stead for the whole of your working life. Skills you will develop include project planning, problem solving, creativity, communication, teamwork, persistence, numeracy and computer skills. Engineers develop these skills that make them highly employable in lots of different sectors.

## Course Structure

The course covers different aspects and fields of engineering, providing a broad experience and deep understanding of a variety of topics, including:

- Engineering Principles – including advanced mathematics
- Delivery of Engineering Processes Safely as a team
- Engineering Product Design and Manufacture
- Computer Aided Design in Engineering.

## Progression

Engineering apprentices earn almost double the national apprentice wage and starting salaries for engineering and technology graduates are around 20% higher than the average graduate starting salary\*. The engineering course is a BTEC and equivalent to 1 A Level. Students who complete the course can progress on to university, studying a specific engineering discipline, as well as gaining opportunities for employment and apprenticeships. There are many roles in this sector where recruitment is at graduate level. The qualification carries UCAS points and is recognised by higher education providers as meeting admission requirements to many relevant courses, for example:

- Mechanical Engineering
- Civil Engineering
- Architecture
- Automotive Engineering
- Electrical and Electronic Engineering
- Construction Management
- Innovative Home Design and Construction
- Construction and the Built Environment
- Surveying
- Many more!...

## Assessment

4 units across two years.

- Unit 1 Engineering Principles: A written exam set and marked by Pearson
- Unit 2 Delivery of Engineering Processes Safely as a Team: Internally marked coursework
- Unit 3 Engineering Product Design and Manufacture: A task set and marked by Pearson and completed under supervised conditions
- Unit 10 Computer Aided Design in Engineering: Internally marked coursework

\*Data taken from Engineering UK 2018: The state of Engineering