

# B-TEC LEVEL 3 SUBSIDIARY DIPLOMA IN ENGINEERING



# OVERVIEW

The engineering sector offers huge potential for learners interested in the sector. The UK is currently regarded as a world leader in sectors including renewable energy, space, low carbon, aerospace, creative industries, utilities, automotive, agri-food and bioscience. Between 2010 and 2020 Engineering enterprises are projected to have 2.74 million job openings, including over 400,000 technician roles where the predominantly ageing workforce is expected to retire over the next 10 years.

The BTEC Level 3 Subsidiary Diploma in Engineering is helping people to become occupationally ready to take up employment in the Engineering sector at the appropriate level. This can follow either directly after achieving the qualification, or via the stepping stone of Higher Education in university or college.

By studying a BTEC National, learners develop knowledge, understanding and skills required by the sector, including essential employability skills, and apply them in real work contexts. Learners can operate at a standard that can reasonably be expected of an 18 year old in full-time education.

# WHY CHOSE ENGINEERING?

- Work with modern and expensive equipment.
- Work in your favourite industry.
- Earn great money (On average 20% more).
- Make a difference
- Be in demand.
- Chose your own route.
- Have a pick of future careers.
- Travel the world.
- Gain respect.
- Design, create and innovate.



# UNITS AND ASSESSMENT

- 1) Health and Safety in the engineering workplace (3 Assignments).
- 2) Electrical and Electronic Principles (5 Assignments).
- 3) Mathematics for engineering technicians (4 Assignments).
- 4) Engineering drawing for technicians (6 Assignments).
- 5) Computer Aided Manufacturing (5 Assignments).
- 6) Properties and Applications of Engineering Materials (6 Assignments).

**NO EXAM!!**



# PROGRESSION

- HNC
- HND
- Higher level apprenticeship
- Degree (BSC or BENG)
- Masters Degree
- Chartered engineering status
- High paid jobs in variation of fields.



# CAREER POTENTIAL

- Civil Engineering
- Electronic Engineering
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Aerospace Engineering
- Construction
- Electrician
- Process Engineering
- Design Engineering
- Computer Science/ ICT
- Teaching – School/ College/ University

