ENGINEERING EXTENDED DIPLOMA LEVEL 3

WHAT WILL I STUDY?

In the first year you will focus on areas including engineering principles, computer aided design (CAD), secondary machining, electrical engineering, commercial and quality and design and manufacture. Most of the work is internally assessed where students are given upto 2 weeks to complete an assignment which has to be handed into strict deadlines, the rest of the course is externally assessed. During the second year you will study engineering materials, mechanical principles, microcontrollers, analogue electric circuits, calculus and either further maths or additive manufacturing. There is also a design, build and test project. This is all internally assessed except for the microcontrollers unit. Also in the second year students are also expected to undertake work experience, some of these may be through college contacts with prestigious local companies like Costain, BMW and Carlin Motorsport.

This practical, work-related course is demanding in terms of the coursework required from you. Good organisational skills and the ability to meet deadlines are vitally important to be successful.

WHAT NEXT?

This course is designed to give students a wide choice options. Some students go onto higher level apprenticeships with some notable companies such as GSK and Rolls Royce. Others go onto university where the qualification is widely accepted. At university students go on to study subjects including mechanical engineering, product design and aeronautical engineering. Some students find that studying Maths A-Level alongside the BTEC Manufacturing Engineering course offers them a wider choice of universities.

ASSESSMENT

Exams (33%) Coursework (67%)

DURATION

2 years

ENTRY REQUIREMENTS

Standard entry requirements, plus grade 4 in GCSE Mathematics and grade C in another technical subject like Science or Resistant Materials.

EXAM BOARD

Edexcel

COSTS

£75 for textbooks, safety boots, overalls and safety glasses.