

ENGINEERING

EXTENDED DIPLOMA LEVEL 3

WHAT WILL I STUDY?

This vocational course, equivalent to three A Levels, is designed for students considering a career in engineering, ranging from product design through to high technology engineering applications and technical sales. It is aimed at those with the ambition of becoming professional engineers, higher apprentices, supervisors, technicians or managers in this field. It will provide you with a strong introduction to the broad subject of engineering.

There is a strong emphasis on a hands on approach to learning so students spend time in the lab and workshop learning and applying new skills. You will learn about maths, engineering principles, computer aided design (CAD), microprocessor systems, product design and manufacture, quality principles, electronic devices and testing of circuits and secondary machining as well as learning about exciting new areas such as 3D printing.

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. You will be assessed continuously mainly through internally assessed assignments as well as some externally set assignments and exams.

WHAT NEXT?

This course is designed to give students a wide choice options. Some students go onto higher level apprenticeships with local employers and 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 at institutions such as Oxford Brookes, Hatfield, Southampton and Portsmouth. 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.