

Engineering

BTEC National Level 3 Extended Diploma (Equivalent to 3 x A-Levels)

Examination Board: Edexcel

Aims of course:

This qualification is designed to provide highly specialist, work-related qualifications in a range of vocational engineering sectors. It is part of a two year programme of study and is broadly equivalent to three full A-levels. It is aimed at giving students a wider view of the sector and the course includes elements of mechanical, electrical and manufacturing engineering.

Programme of study (mandatory units)

Level	Module Name	Module Description
Year 1	Unit 1	Health and Safety in the Engineering Workplace
Year 1	Unit 2	Communications for Engineering Technicians
Year 1	Unit 4	Mathematics for Engineering Technicians
Year 1	Unit 6	Electrical and Electronic Principles
Year 2	Unit 3	Engineering Project
Year 2	Unit 5	Mechanical Principles and Applications

An additional 11 optional units are delivered, further is available on request.

Approaches to learning:

This is a vocational programme which gives the learner the practical skills, theory and workplace understanding they need to be ready for progression to employment and/or higher education. Our teaching and learning is built around engineering challenges set by our challenge partners.

Who is this course aimed at?

The qualification is designed for learners who want to expand their understanding of the core principles of engineering across a diverse range of practical topics such as engineering design, mechanical and electrical principles, hydraulics/pneumatics and engineering materials. It is aimed at students looking to progress to apprenticeships in the engineering sector or further study at a higher level.

Minimum entry requirement:

Grade 5 in Mathematics + 4 GCSEs A*– C including English

All units are assessed internally over the course of the 2 years.

Please note: The course is dependent on numbers registering their interest to study at A Level. The subject will only run if there are sufficient student numbers.