NUAST16

BTEC Level 3 Engineering

Why BTEC Engineering?

Choosing to study BTEC Level 3 National Extended Diploma in Engineering is a great decision to make for lots of reasons. More and more employers are looking for well-qualified people to work within the fields of technology and engineering. The course offers a varied approach to your studies including assignments, practical tasks and written tests. This balanced approach will allow you to showcase to future employers how you can apply your learning to practical everyday workplace challenges and it will also sharpen your skills for further study, making you highly employable.

What can I expect?

BTEC Level 3 National Extended Diploma in Engineering. Broken down into 18 units, this course is designed to give you a firm grounding in engineering principles through practical experience.

Supported by our industry partners, you will be taught over 20 teaching sessions a week leading to a qualification equivalent to three A Levels.

You must complete a range of mandatory and optional units. These could include the following: engineering principles, delivery of engineering processes safely as a team, engineering product design and manufacture and electronic devices and circuits.

This qualification is suitable for learners who wish to study engineering which then forms the foundation for work within the engineering sectors. The sectors are wide ranging, including, for example, engineering, mechanical and electrical engineering, manufacturing and automotive engineering.

Which Stem Pathways can I follow?

What enrichment opportunities will be offered?

Green Power

The 24+ Formula Greenpower challenge is about designing and building an electric racing car.

F1 in Schools

This is a multi-disciplinary technology challenge. Teams of students will utilise the state-of-the-art manufacturing facilities at NUAST to design, analyse, manufacture, test and race miniature compressed air powered balsa wood F1 cars

What about the future?

BTEC Level 3 National Extended Diploma in Engineering, on its own or linked with other subjects, can lead directly into design related university courses such as Product design, Industrial design, Architecture, Engineering, Furniture design, Project management, Manufacturing management, Interior design, Set design, Automotive design and Sports innovation. These include BA, BSc and BEng courses at many top universities, and also Foundation courses in Art and Design. This subject can also lead to Industry related employment or apprenticeships.

How will I be assessed?

Assessment will be in the form of assignments, practical tasks and externally assessed written exams.

What do I need?

Design & Technology at Grade 6.

Engineering at Grade 6.