

BTEC Engineering

at Conyers Sixth Form



Engineering is the practical application of science and maths to solve problems, and it is everywhere in the world around you. From the start to the end of each day, engineering technologies improve the ways that we communicate, work, travel, stay healthy, and entertain ourselves.

Engineers are problem-solvers who want to make things work more efficiently, quickly and less expensively. From computer chips and satellites to medical devices and renewable energy technologies, engineering makes our modern life possible. Engineers have a wide range of study options and career paths that let them design, build, and manage ideas into reality.

Course content

1. Engineering Principles
2. Manufacture / metal work / machining
3. Microcontroller systems
4. Engineering Processes + Maintenance
5. Electronic devices and circuits
6. Commercial and business
7. Calculus to solve Engineering problems
8. Work experience in the Engineering sector



Assessments

All learners will complete 7 mandatory units and 8 optional units. The optional units have been chosen to give a broad engineering experience. Each unit will be assessed through an assignment or exam. A summative unit grade can be awarded at pass, merit or

Opportunities and experiences in Engineering

- Visits and talks including Caterpillar Peterlee and NIFCO.
- Work experience
- Links within the Engineering sectors to help you gain work experience in this field

What can you do with BTEC Engineering

Engineering is incredibly rewarding career, giving you the chance to work with like-minded individuals to solve real problems for society.

Students with a level 3 extended diploma in Engineering are well placed to progress onto:

- A university degree course in an appropriate Engineering discipline
- A HNC or HND in Engineering
- Employment with training through an apprenticeship



Last year students went on to:



**Northumbria
University**
NEWCASTLE

Electrical Engineering

- Ben Atkinson

Architecture

- George Burton

**Sheffield
Hallam
University**



Apprentice

- Aman Qayyum

Apprentice

- Joel Tyerman

VENATOR



**Teesside
University**

Mechanical Engineering

- Mohammad Abid

Biology Exam Board: BTEC

Contact: Mike Lonsdale

mlonsdale@conyers.org.uk

Conyers Sixth Form

sixthform@conyers.org.uk

01642 783253