

BTEC

Engineering

A Two year course leading to a qualification equivalent to one A Level

Develop core engineering skills

Learn how to apply scientific principles to transform ideas and materials into products and systems safely

Research and discover engineering practices used in industry

Learn how to use professional engineering tools and CAD software

Extended Certificate = 1 A Level

YOU WILL STUDY

Unit 1: Engineering Principles

The mathematic and scientific knowledge needed for engineers and how we apply them in practice

Unit 2: Delivering of Engineering Processes safely as a team

Working as a team of engineers to run a project to deliver an engineering service

Unit 3: Engineering Product Design and Manufacture

Tackle design challenges and produce effective engineering solutions

Unit 10: Computer Aided Design in Engineering

Using CAD software to apply the mathematical processes and practices to designing products and producing technical drawings to an industry standard.

ASSESSMENTS

- 67% External Assessment (Units 1 and 3)
- 33 % Coursework portfolio (Unit 2 and Unit 10) – Coursework can be made up of written work, presentations, reports, technical drawings, etc.

SUPPORTING YOU

- Friendly, approachable tutors
- Exam preparation tutorials

PROGRESSION

- Ideal if you want to pursue a career in the engineering sector
- Progress to HE in Engineering when coupled with A-Level Mathematics
- Progress to Degree Apprenticeships

MORE INFO ABOUT ENGINEERING



Imagine what you can become

Mechanical Engineer → Aerospace Engineer

Systems Engineer → Operations Engineer

Electrical Engineer → Computer Science

Engineering Project Manager → Designer



ENGINEERING



Extra Curricular

Guest Speakers

Opportunities to meet industry professionals

Trips and visits



“

My Experience

“I have found the environment at Carmel to be really good as there is a good balance between studying and socialising.

The subject tutors are really supportive, providing resources like exam questions packs and similar to support your learning. There were also a lot of interesting clubs and activities going on in college throughout the year.”



David Cuesta-Moreta
CARDINAL HEENAN HIGH SCHOOL

SCAN HERE

FOR FULL COURSE DETAILS



EXAM BOARD

PEARSON