



Imagine what you can become...

Mechanical Engineer

Systems Engineer

Aerospace Engineer

Operations Engineer

Electrical Engineer

Computer Scientist

Engineering Project Manager

Designer



2025 Entry



Find out more:
scan me!

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

EXAM BOARD
Pearson



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 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 mathematical processes and practices to design products and produce technical drawings to an industry standard.



YOU'LL LOVE...

Our extra-curricular programme, including guest speakers, opportunities to meet industry professionals, trips and visits and more.



ASSESSMENT

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

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college

www.carmel.ac.uk