

Sixth Form Courses
Level 3 Cambridge Technical
Extended Certificate in Engineering

Why take this subject?

Level 3 Cambridge Technical Engineering course is a new course, which enables students who have a passion for engineering and want to pursue a career in engineering, it allows them to get more hands on experience of developing key engineering skills. This course is ideal for students wanting to pursue a degree in engineering or looking to take on an apprenticeship in engineering after completing their level 3 studies. This course is equivalent to a full A-level.

What do I need to have studied at GCSE?

Students will have studied additional science or triple sciences at GCSE. All students should have a minimum level 5 grade in their separate sciences or a minimum 5 in their additional science. Additionally, students should have a minimum of a grade 5 in Maths and 5 English GCSEs. This course is for students who enjoy a more hands on experience in education and enjoy problem solving. You also enjoy working independently and as a team to complete projects.

What will we study?

Level 3 Cambridge Technical Engineering lasts two years, with exams at the end of the second year. The table below shows the topics covered in each year.

First year of equivalent Level 3	Second year of equivalent Level 3
Mathematics for engineering Science for engineering Principles of mechanical engineering	Principles of electrical and electronic engineering Computer Aided Design (CAD) Materials science or applied mathematics for engineering

Assessments of the course

The units are graded Pass, Merit and Distinction. The qualification is graded Pass, Merit, Distinction, Distinction*. Four units are assessed externally and the two optional units will be internally assessed or externally assessed.

What can this subject lead to?

Studying Level 3 Technical Certificate in engineering offers an infinite number of amazing engineering career opportunities including:

Computational Fluid Dynamics, Electronics, Material Science, Programming, Robotics, Mechanical Engineering, Aeronautical Engineering and many more.