BTEC LEVEL 3 NATIONAL DIPLOMA IN MANUFACTURING ENGINEERING

If you are fascinated by how things work and enjoy solving practical problems, this Level 3 BTEC Diploma in Engineering offers an excellent route into the engineering industry. Combining technical knowledge with hands-on project work, the course will help you develop the skills, understanding and confidence needed for progression to higher education, apprenticeships, or employment in a wide range of engineering sectors.

Level 3 · A Level (or equivalent) · Truro College

TOP COURSE HIGHLIGHTS

PRACTICAL PROJECTS | INDUSTRY-STANDARD EQUIPMENT | EXPERT TUTORS | PROGRESSION ROUTES

WHY CHOOSE THIS COURSE?

Engineering is at the heart of innovation and technological advancement, offering exciting career opportunities across a wide range of industries. This Level 3 BTEC Diploma in Engineering combines classroom learning with practical workshop activities, giving you the opportunity to develop both theoretical knowledge and technical skills.

You will learn through a mixture of project-based assignments, practical investigations and industry-relevant activities, helping you build confidence and experience in engineering principles and applications. The course provides an excellent foundation for students wishing to progress to higher education, higher apprenticeships or employment within engineering and manufacturing sectors.

Lessons take place in specialist engineering facilities where you will have access to industry-standard equipment and support from experienced engineering tutors.

WHAT WILL I LEARN?

The Level 3 BTEC Diploma in Engineering covers a broad range of engineering knowledge and practical skills, including:

- Engineering Principles: Develop an understanding of the mathematics and science that underpin modern engineering practices.
- Mechanical Engineering: Explore engineering materials, manufacturing processes and mechanical systems used throughout industry.
- Electrical and Electronic Engineering: Learn about electrical circuits, electronic systems and the technologies that drive modern engineering solutions.
- Engineering Design: Develop skills in engineering drawing, computer-aided design (CAD) and the design process used by professional engineers.
- Project Work: Apply your knowledge through practical and investigative projects that develop problem-solving, teamwork and communication skills.
- Professional Practice: Build the employability skills valued by industry, including planning, organisation, health and safety awareness, and technical reporting.

FOR THE LATEST COURSE INFORMATION
Scan for assessment arrangements, learner support, confirmed start dates and how to apply.

WHERE WILL IT TAKE ME?

This course provides a strong foundation for progression into a range of engineering and technology-related pathways. Students may progress on to:

- Engineering degrees at university
- Higher Technical Qualifications (HTQs)
- Higher and Degree Apprenticeships
- Employment in engineering and manufacturing industries
- Careers in mechanical, electrical, manufacturing, design or maintenance engineering

The qualification is equivalent in size to two A Levels and is widely recognised by universities and employers.

ENTRY REQUIREMENTS

4 GCSEs at Grade 4 or above, including Maths at a grade 5 (achieved on the higher paper) You must choose one other A level or equivalent course to sit alongside the L3 Diploma in Engineering.

IMPORTANT

Course information can change. Please use the QR code below for the current assessment arrangements, entry requirements and start dates.

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