



ENGINEERING

QUALIFICATION:

1145 Level 3

City & Guilds Level 3 Advanced Technical Certificate in Engineering

FAST FACTS

- The engineering sector has a crucial role to play in delivering growth for the UK. In the year ending March 2012 it contributed £1.1 trillion to the UK economy, which is 24.5% of all UK turnover. The nation relies on engineers to compete in a rapidly growing global market.
- Engineering companies are projected to need 1.86 million new recruits by 2020, which is double the current number of engineering graduates.

Did you know?

- 5.4 million people are employed in 565,320 engineering enterprises in the UK
- There will be an expected 2.74 million job openings in engineering companies by 2020
- The average engineering starting salary is as much as £26,019 – a fifth more than the average graduate salary

1145-30

Advanced Technical
Certificate in Engineering

LEVEL 3

KEY STAGE 5

16-19 YEARS OLD



AT A GLANCE: This qualification is designed for anyone interested in exploring the various different areas within the Engineering sector.

TOPICS COVERED:

- Engineering materials
- Electronics
- Control and instrumentation
- Mechanical structures and dynamics
- Manufacturing methods in engineering
- Engineering design
- Engineering mathematics and statistics

POTENTIAL JOB ROLES:

This qualification could lead to employment opportunities in areas such as:

- Skilled machinist
- Composite technician
- Marine engineer
- Electronics manufacture technician
- Technical support engineer
- Aircraft systems development technician



WHAT NEXT?

Following this qualification you can progress to university, an apprenticeship or into the world of work.

For example: you may progress to a Higher Apprenticeship in Engineering or a Foundation Degree in Engineering.

GRADING



UCAS: UP TO 140 pts

This qualification carries UCAS points to support progress on to university.

ENTRY REQUIREMENTS:

There are no specific entry requirements for this qualification. Your college may have its own additional entry requirements.

EMPLOYER RECOGNITION:

The following employers support this qualification: EDF Energy, AMEC Foster Wheeler, Bosch, Bramble House, MBDA.

City &
Guilds

TECHBAC



THIS QUALIFICATION CAN BE STUDIED AS PART OF THE CITY & GUILDS TECHBAC

TechBac is an exciting new pathway that will help you get ahead and stand out from the crowd. It is designed with employers to develop all the technical and professional skills that allow you to progress to an apprenticeship, university or straight into a job. It includes a new hands-on technical qualification, with practical work experience and critical skills development, such as team work, enterprise and digital literacy.

TechBac is brought to life via the Skills Zone, an innovative online learning hub available on tablets, PCs and mobiles, giving you the opportunity to practice and develop your skills anytime, anywhere.

TALK TO YOUR COLLEGE ABOUT STUDYING THIS QUALIFICATION AS PART OF TECHBAC.

visit: cityandguilds.com/techbac