



FCDO Services

APPRENTICESHIPS IN

# Technical Engineering

Ready to open up all kinds of possibilities for your future? Look no further. For school-leavers, career-changers, or people who just want to progress their skills, this apprenticeship has it all. You'll get a competitive salary, fully-funded and well-respected training, and the chance to work with government-level customers on cutting-edge engineering projects that keep people safe and information secure, right around the world.

IT TAKES A DIVERSE TEAM  
TO PROTECT A DIVERSE WORLD

VISIT OUR WEBSITE  
[FCDOSERVICESCAREERS.CO.UK/APPRENTICESHIPS](https://fcdoservicescareers.co.uk/apprenticeships)

# APPRENTICESHIPS IN TECHNICAL ENGINEERING

What kind of projects, exactly? Well, it could be installing a sophisticated CCTV system in a new embassy, or advanced intruder detection equipment in a particularly volatile region. Perhaps you'll prevent and detect technical eavesdropping attacks, or help design the next generation of security products. Whatever you do, you'll be protecting the UK's interests at home and overseas – so they're the kind of projects that just can't fail. With a mix of practical experience, formal study, and even the chance to work overseas, we think it's fair to say: your future just got bigger.

## YOUR PROGRAMME

### FIRST YEAR

If successful, you'll start your apprenticeship with us and attend a local college on a full-time basis. During college breaks, you'll work at our site at Hanslope Park where you'll join teams across the organisation, helping you put your learning into action on live projects.

Once you finish your college course the following year, you'll return to Hanslope Park. This time, as well as beginning a programme of placements, you'll also complete a number of in-house courses, teaching you

essential practical skills for your profession. These include basic telephony, technical security and radio transmission principles – skills you'll use to help us protect the nation's security every day.

At college, you'll study the following modules:

### Development Knowledge

- Health and Safety
- Maths and Further Maths for technicians
- Mechanical principles
- Electrical and electronic engineering
- Engineering drawing

## KEY FACTS

- Level 3 apprenticeship, working towards a Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering
- Based at Hanslope Park, Milton Keynes
- 39-month programme – with a potential full-time role at the end
- Combination of practical work and study
- Opportunity for overseas travel
- First nine months spent studying full-time, learning theoretical and practical elements of engineering
- Open to all ages, but you will need:
  - A minimum of four GCSEs (or equivalent, e.g. O levels) at grade 9-4 (A\*-C) including Maths, English, and either Science (preferably Physics) or a technical-based subject such as Engineering or Product Design
  - A genuine interest in engineering and technology
  - Ideally, some experience of using tools such as drills and saws
  - British citizenship, having lived in the UK for the last three years before the first day of your apprenticeship (aiming to start September 2023), and for at least five of the last ten years
  - To be at least 16 years old by 30 April 2023 so you can complete Security Check (SC) clearance before your start date
- Candidates will need to undergo Security Check (SC) clearance before joining, and Developed Vetting (DV) clearance shortly after joining
- You will need to undergo a colour blindness test if you reach assessment centre stage, since distinguishing between different colours of electrical wire will be a critical part of your role

# APPRENTICESHIPS IN TECHNICAL ENGINEERING

- Programmable logic controllers
- Principles and applications of electronic devices and circuits
- Electronic testing and measurements

## Foundation Competence

- Wiring and testing electrical circuits and equipment
- Maintaining electronic equipment and systems
- Assembling, wiring and testing electrical panels and components mounted in enclosures

## Development Competence

- Complying with statutory regulations and organisational safety requirements
- Using and interpreting engineering data and documentation
- Using and communicating technical information
- Working efficiently and effectively in advanced manufacturing and engineering

## Functional Skills

- IT, Maths and English (exemptions possible depending on your GCSE grades)

## SECOND YEAR

Your second year is where you'll start to really get to grips with the practical side of your role, helping us deliver projects in the UK – with the potential to travel overseas too. Through work placements around our business and relevant in-house training, you'll experience the sheer breadth of what we do.

Wherever you're placed though, one thing is guaranteed: you'll be a crucial part of an experienced team, learning new skills first-hand from our expert technical security colleagues. They'll support you to build on a range of abilities – how to install and maintain a wide variety of security systems, for instance – and you'll learn about the work of our counter-eavesdropping experts too.

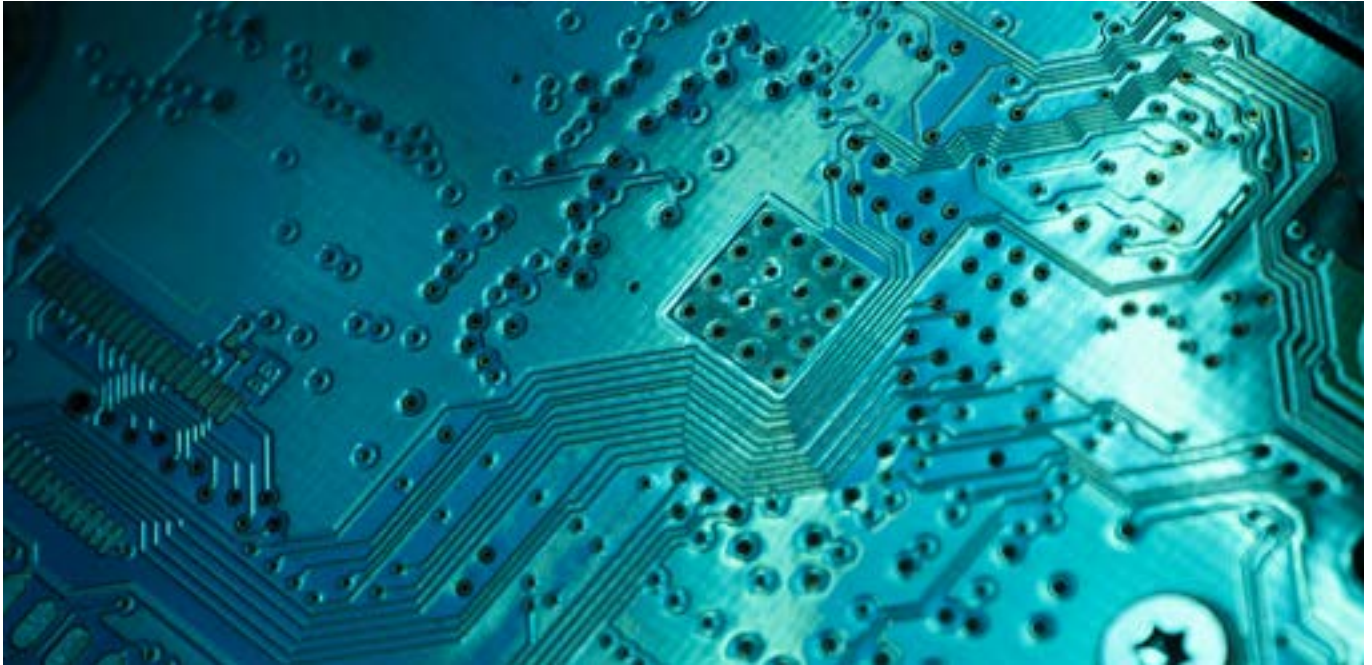


At the same time, you'll begin working towards your Level 3 Development Knowledge. It's an evidence-based qualification, so you'll need to document your practical experience too – and you'll have plenty of that to write about. You'll provide evidence through your written reports, and your assessor will track your progress and support you throughout the course.

## THIRD AND FOURTH YEARS

In your third and fourth years, you'll continue to explore our organisation through a series of placements. You'll be moving towards professional status by now, building the skills and experience you need to pass the End Point Assessment. We'll support you at every step, and if you pass your apprenticeship, we'll help you look at your options when it comes to permanent positions within the organisation.

# APPRENTICESHIPS IN TECHNICAL ENGINEERING



## COMPLETING YOUR APPRENTICESHIP – AND BEYOND

If you successfully complete the apprenticeship, you'll have gathered the following qualifications along the way:

### Level 3 apprenticeship

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)
- Level 3 Diploma in Advanced Manufacturing Engineering – Technical Support (Development Competence)
- Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering (Development Knowledge)

With all this under your belt, you'll have the opportunity to progress your membership with the Institution of Engineering and Technology, gaining respected professional status in your new industry.

But where to next? Once you've completed your apprenticeship, you'll have a range of options to make your future bigger.

### You could:

- Work in our Technical Services Centre, based in the UK but travelling overseas on a project-by-project basis to install a range of protective systems
- Join one of our Regional Technical Support Services teams, living and working overseas for up to four years. Based in one of our overseas hubs you'll travel across your region providing technical support to our customers
- Work as part of our National Authority for Counter-Eavesdropping (UK NACE) helping to prevent and detect technical eavesdropping attacks.

Website: [fcdoservicescareers.co.uk/apprenticeships](https://fcdoservicescareers.co.uk/apprenticeships)

Email: [fcdoservices.recruitment@fcdo.gov.uk](mailto:fcdoservices.recruitment@fcdo.gov.uk)

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