



FCDO Services



## Apprenticeships in Technical Engineering

Bringing energy to embassies.

Designing systems that protect.

Realising the power of your skills.

**It all matters.**





## Apprenticeships in Technical Engineering

Designing power supplies. Earthquake-proofing embassies. Drawing up floor plans for government customers. Just a few examples of the incredible work our Engineering team does. They're the people who plan, design and deliver innovation across all corners of the globe. And now, you've got the opportunity to join them.

Installing a sophisticated CCTV system in a new embassy, or advanced intruder detection equipment in a volatile region. Preventing and detecting technical eavesdropping attacks. Helping design the next generation of security products. Whatever you do, you'll be protecting the UK's interests at home and overseas. Our work is as varied and vital as it gets, but we never lose sight of our people. Their skills, aspirations and growth mean as much as the global mission we're on. In our world, it all matters.

### KEY FACTS

- Level 3 apprenticeship working towards a professional qualification
- Based at Hanslope Park, Milton Keynes
- 39-month programme – with a potential full-time role at the end
- Combination of practical work and study – with first nine months spent studying full-time, learning theoretical and practical elements of engineering
- Opportunity for overseas travel
- 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 or a technical-based subject such as Engineering or Product Design
  - 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 1st July 2024 so you can complete Security Check (SC) clearance before your start date
- Security Check clearance, and Developed Vetting clearance after joining
- Colour blindness test at assessment centre



# Apprenticeships in Technical Engineering

## YOUR PROGRAMME

### FIRST YEAR

At the start of your apprenticeship, you'll go to a local college full-time. During college breaks, you'll work with our teams to put what you've learned into action on live projects at Hanslope Park.

Once you finish your college course the following year, you'll begin a programme of placements at Hanslope Park. You'll also complete in-house courses.

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
- 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 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

During your second year you'll focus on 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.

Our expert technical security colleagues will teach you how to install and maintain a wide variety of security systems, 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 do another 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.



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## COMPLETING YOUR APPRENTICESHIP – AND BEYOND

Once you successfully complete the apprenticeship, you'll have the following qualifications:

### 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 lots of options. 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



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I'm getting all these qualifications, doing interesting work, and I'm getting paid for it, so it was definitely a win-win.”

Apprentice Engineering Technician