



FCDO Services

APPRENTICESHIPS IN

Broadcast and Communications Engineering

Help keep critical diplomatic, defence and intelligence communications secure on behalf of government customers. Learn how to upgrade broadcast systems that help people stay better connected, wherever they may be. Ensure vital communication channels stay up and running following a natural disaster. Do all this and more as you study towards a BEng (Hons) degree in Broadcast and Communications Engineering and learn all the skills needed to become a qualified professional in your own right.

**IT TAKES A DIVERSE TEAM
TO PROTECT A DIVERSE WORLD**

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

APPRENTICESHIPS IN BROADCAST AND COMMUNICATIONS ENGINEERING

It's a big challenge – and an incredibly rewarding one. Working as part of our secure communications and infrastructure team, you'll combine academic study with practical work on live government projects, meaning you turn your theoretical knowledge into impressive global experience. You'll train to design radio, satellite, audio/visual and network infrastructure systems to fulfil a variety of customer needs. We'll help you learn the theory and processes of broadcast engineering, so you're able to inspect, maintain and plan communications systems across continents.

Whether you're a school-leaver, returning to work after a career break, or looking for a career change, over the course of your apprenticeship, you'll take on increasing responsibility for projects that protect the UK's interests – and you'll use this experience to supplement and further your academic work. It means that when you graduate, you'll have the depth of experience, a well-travelled passport and a nuanced understanding of our work. Your apprenticeship will conclude with you achieving full membership of the IET. In other words, your future just got bigger.

YOUR PROGRAMME

If you're successful in your application, you'll start your apprenticeship in September, launching straight into a balance of academic study and practical work. You'll attend university on a block-release basis, over the course of the next four years.

When you're not at university, you'll be working with the team at our Hanslope Park site in Milton Keynes, developing your skills and working on live projects alongside professional engineers, installation technicians and project managers.

KEY FACTS

- Level 6 apprenticeship, working towards a BEng (Hons) degree in Broadcast and Communications Engineering
- Based at Hanslope Park, Milton Keynes, with the flexibility of hybrid working depending on business need
- Opportunity for overseas travel
- 48-month programme – with a potential full-time role at the end
- Combination of practical work and study
- Open to all ages, but you will need:
 - Two GCSEs (or equivalent e.g. O levels) in Maths and English Language at grades 9-4 (A*-C)
 - A minimum of 112 UCAS points gained through BBC at A levels including Maths; or a BTEC Level 3 at D*D* with a Distinction in Maths or a Merit in Further Maths; or a BTEC Extended Diploma Level 3 at DMM with a Distinction in Maths or a Merit in Further Maths; or equivalent
- Communication skills, numeracy and IT literacy
- A genuine interest in engineering and overseas travel
- British citizenship, having lived in the UK for the last three years before the first day of the 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

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And when your coursework allows, you'll travel to sites both in the UK and across the world to work on a range of communications projects which are essential to the prosperity of the UK.

Your university work will be a core part of how you develop, so here's a guide to the kinds of modules you'll study on your B.Eng. degree:

- AV Acquisition and Presentation
- Broadcast Technology
- Engineering Mathematics
- Electrical and Electronic Principles
- Audio and Video Processing
- Computer Networks and IP Distribution
- Principles of Communications Engineering
- Broadcast Workflow and Distribution.

COMPLETING YOUR APPRENTICESHIP - AND BEYOND

Complete the apprenticeship, and you'll gain your B.Eng. in Broadcast and Communications Engineering and achieve IET membership. But where to next? You'll have a range of options to make your future bigger. We'll do our best to find you a permanent position with us, working as a professional either in the UK or overseas. Whatever you decide, we'll do all we can to help you explore your interests and realise your ambitions.

Website: fcdoservicescareers.co.uk/apprenticeships

Email: fcdoservices.recruitment@fcdo.gov.uk

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 Apprenticeships

 disability
confident
EMPLOYER