



FCDO Services

APPRENTICESHIPS IN

Civil and Structural Engineering

Help develop the reconfiguration of an entire embassy. Be part of ensuring government residences are secure and fit for purpose. Learn how to prepare concept and construction drawings for new and existing buildings located in bustling cities and on remote islands all over the world. And along the way, build your confidence and discover what you're capable of, as you study towards a Bachelor's degree in Engineering and Incorporated Chartership with the Institute of Civil Engineers.

IT TAKES A DIVERSE TEAM
TO PROTECT A DIVERSE WORLD

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

APPRENTICESHIPS IN CIVIL AND STRUCTURAL ENGINEERING

Every day will bring new challenges and new learning. Because you'll combine academic study with practical work that has impact on a global scale. This could be overseeing the plans to seismically strengthen a British Ambassador's listed Residence in South America, working to improve its structural integrity while being sympathetic to its heritage. Or reviewing the design of a 1980's built British Embassy in Asia to determine if the existing cellular walls can be removed to transform the space into a modern, open plan office. The work you'll be involved in will help improve the working and living environment for UK diplomats and embassy staff across the world, all while keeping them safe.

Whether you're a school-leaver, returning to work after a career break, or looking for a career change, over the course of this apprenticeship, you'll gain a variety of skills. Like an understanding of the challenges of working overseas where engineering priorities may differ from the UK. And how to design for new structures and civil works (walls, drains and road).

And what it takes to ensure the highest standard of security is embedded in every project you're a part of.

What's more, you'll have a direct hand at helping us protect people, information and assets here and overseas. It's vital work – and a chance to develop valuable knowledge and experience that will help you forge a path to become a fully qualified professional.

KEY FACTS

- Level 6 apprenticeship, working towards a Bachelor's degree in Engineering (BEng) and Incorporated Chartership with the Institute of Civil Engineers (IEng)
- Based at King Charles Street, London, with the flexibility of hybrid working depending on business need
- Opportunity for overseas travel depending on business need and college commitments
- Five-year programme, with a potential full-time role at the end
- Combination of practical work and study
- Open to all ages, but you will need:
 - Five GCSEs (or equivalent e.g. O levels) including Maths and English at grades 9-4 (A* - C)
 - A minimum of three A levels at grades BBC (or higher) worth a minimum of 112 UCAS points and including Maths and preferably either Chemistry or Physics; or a BTEC National Diploma DDM; or Access to Engineering qualifications with 15 Distinctions and 30 Merits including Maths and Physical Science credit; or equivalent Level 3 qualifications worth 128 UCAS points, Level 3 qualification must include Maths and Physics or you must have completed a Level 3 Apprenticeship as a Civil Engineering Technician
- A genuine interest in the built environment
- Great problem-solving and interpersonal skills
- To be willing to travel overseas as part of your apprenticeship
- 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, Developed Vetting (DV) clearance shortly after joining

APPRENTICESHIPS IN CIVIL AND STRUCTURAL ENGINEERING

YOUR PROGRAMME

When you begin your apprenticeship in September or October, you'll become a core part of our Security and Property design Construction team at our King Charles Street office. You'll attend university on a day-release basis, over the course of five years.

When you're not studying, you'll put your learning into practice, collaborating with architects, design and construction managers and fellow engineers to deliver construction projects that meet essential safety and security requirements. This could include assisting senior engineers preparing design calculations, design drawing and technical reports or helping to assess and develop the UK's diplomatic estate across the world – ensuring it's secure and fit for purpose.

And the skills you learn will be wide ranging. From how to assess existing residences to how to create designs for new builds. How to tackle the challenges that come with delivering projects on properties in countries with different building requirements to how to collaborate with industry professionals and contribute to achieving the departments targets and objectives. And how to consistently deliver the best service to our clients, even with tight deadlines and budgetary constraints.

Your university work will be a core part of how you develop, and you'll complete various learning modules across your five years' of study including:

- Advanced Mathematics
- Geology



- Materials
- Building Information Modelling and Design
- Construction Practice
- Construction Management
- Fluid Mechanics
- Structural Engineering
- Engineering Surveying
- Highway Design
- Geotechnical Engineering
- Environmental Engineering

COMPLETING YOUR APPRENTICESHIP – AND BEYOND

Complete the apprenticeship, and you'll gain your Bachelor's degree in Engineering (BEng) and Incorporated Chartership with the Institute of Civil Engineers (IEng). 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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