



# Apprentice Engineer (Electronic Design)



**Location**

**Chertsey**

**Status**

**Permanent**

**Hours**

**37.5**

**Vacancy Number**

**P0239C**

## Job Purpose

This role offers hybrid working dependent on the classification of project data and the opportunity to work at one of the most adaptable and reactive engineering companies within the UK defence sector. Whilst undertaking a Level 4/HNC Apprenticeship, validated and delivered by a preferred supplier, we will build up your knowledge and expertise whilst working on live projects and assignments within the Drumgrange organisation.

Working in the test/electronics design team, collaborating with electronic and software engineers primarily, the role will allow for the selected candidate to generate full data packs, build first-of-type products, analyse quality control, conduct testing, and support production in order to ensure the end product meets the customer's needs.

Developing equipment for robust, safety-critical equipment for military applications in the Land, Maritime, and Underwater domains will require a broad awareness of reliable, ergonomic design to minimise misuse and damage in some of the most demanding environments.

This role offers hybrid working dependent on the classification of project data and the opportunity to work at one of the most adaptable and reactive engineering companies within the UK defence sector. Whilst undertaking a Level 4/HNC Apprenticeship, validated and delivered by a preferred supplier, we will build up your knowledge and expertise whilst working on live projects and assignments within the Drumgrange organisation.

**Reporting to: Engineer (Test Team Lead)**

## What you'll do

- Undertake a 4 year apprenticeship through a validated preferred supplier as an 'Engineering Manufacturing Technician.'
- Assist and liaise with project teams on mechanical aspects of products and systems.
- Design bespoke equipment i.a.w Defence standards in order to benefit the capabilities of the modern day defence sector.
- Select Materials, Manufacturing processes and integration methods in order to best suit the equipment's use.
- Liaise and provide technical advice to suppliers and internal departments to ensure the product is fit for purpose and manufactured to the design intent.



- Advise and conduct testing to demonstrate compliance i.a.w Defence and International Standards.
- Assist Quality and Production to ensure that every component in the end product is fit for purpose and manufactured to the design intent.
- As required, support off-site engineers to problem solve, troubleshoot and assist in integration and testing of products and systems.
- Ensure all data generated and design decisions taken are i.a.w best practices to ensure traceability.
- Comply with all relevant Health and Safety requirements and safe practices and procedures operated by Drumgrange.
- Provide meaningful input to design development and reviews in order to ensure the product is fit for purpose and all opportunities and risks to projects are managed.
- Be willing to spend time in different departments as part of a holistic approach to learning the business and understanding the many driving factors behind business processes.

## What you'll need

- Demonstrate a good level of verbal and written communication skills.
- A basic level of competency and methodical working process when using 3D design software (inventor preferred but not essential.)
- Ability to work across multiple projects simultaneously and deliver to challenging timescales within a small team environment.
- A passion for practical problem-solving.
- A practical mind-set towards designing user interface functionality and external factors.
- Self-motivation with ambitions to learn at any opportunity, seeking improvements to work practices and keen to champion emerging technologies and materials that will benefit the business.
- An understanding of the importance of traceability and process when working.
- A basic understanding of how to create 2D drawings.
- A basic knowledge of how to create easily modifiable Parts and Assemblies to aid ease of modification.
- Awareness of common materials and manufacturing method selection considerations.
- A minimum of 32 UCAS points (At least one A level at grade C in a relevant STEM subject or equivalent AVCE or National diploma / certificate.)
- Be proficient in English written / spoken or at least to level B2 i.a.w CEFR.
- Evidence of familiarity with CAD software, (Inventor preferred.)
- Must meet the UK Governments eligibility criteria for apprenticeship funding.
- The ability to obtain and maintain Security Clearance with a minimum of 5 years or permanent residency in the UK.
- Any previous experience of an Engineering environment in order to understand fundamental principles would be advantageous such as work experience or a product design module.



## What you'll get

- **Full engineering lifecycle with optional career path:** Choose the direction of your career
- **Paid overtime or time off in lieu:** Gain up to 24 additional paid days off per year or boost your salary with an authorised single-time overtime
- **Flexible working:** We operate around the core working hours of 09:30 – 12:00 & 14:00 – 16:00
- **Role-specific allowances:** Subject to individual projects and roles.
- **Holiday entitlement:** 24 days per annum, plus public holidays. These are pro rata for part-time roles. A Christmas closedown occurs for most roles from 24<sup>th</sup> December – 2nd January, utilising your holiday entitlement.
- **Pension scheme:** 14% total pension made up of 7% contribution from the Employer, matched with 7% from the employee
- **Private medical care:** Access a network of 50+ private clinics and hospitals nationwide
- **Training and upskilling:** We are committed to your continuous personal and professional development meaning that you have the opportunity to gain additional skills and qualifications
- **Monthly Payment Schemes:** Save money on a new bicycle and cycling accessories and get fit too!
- **Company tech:** Salary loans to purchase laptops, mobiles, and home office equipment
- **Relocation package:** Available to selected candidates needing to relocate within easy travel distance of one of our offices - In line with HMRC guidelines - spend less time travelling and more time living.

## Why Drumgrange?

As a small-medium enterprise, we benefit from having a flat organisation structure with only a few levels between a junior role and a department head, so you can spend more time with technical application and less time wrangling with red tape. It also means that your voice is heard and there is plenty of opportunity for you to make a meaningful impact upon the business.

Roles here present fantastic opportunities to be involved across the whole design lifecycle, and with such a wide portfolio of products and capabilities, you can expect varied and career-expanding work that takes you across different engineering domains and environments.

*We welcome candidates from all backgrounds and particularly from sections of the community who are currently underrepresented within our industry, including women, ethnic minorities, people with disabilities and LGBTQ+ individuals. Please be aware that many of our roles will be subject to both security and export control restrictions. These restrictions mean that factors including your nationality, any previous nationalities held, and your place of birth may limit the roles you can perform in our organisation.*

We also support our Armed Forces communities, reservists and cadets and are proud advocates. Any companies wishing to contribute and benefit from a relationship with these organisations please reach out to us or visit <https://www.armedforcescovenant.gov.uk/show-your-support/sign-the-covenant/>



## How to Apply

If you are interested in this role, please apply through our website. Alternatively, send your CV with a brief cover letter to [careers@drumgrange.com](mailto:careers@drumgrange.com), quoting the job title and the Vacancy Number in the subject header.

## Career Progression

