



We are looking for **two** Electrical Modern Apprentices for our Power & Hydro Department at Alvanice British Aluminium. The role provides structured on-the-job training supporting electrical plant, distribution systems, and site-critical equipment.

About Us

Established since 1929, ALVANCE British Aluminium, part of the GFG Alliance, owns and operates the last remaining aluminium production plant (smelter) in the UK and a connected hydropower electricity generation station located on the slopes of Ben Nevis, Britain's highest mountain. A combination of renewable energy sources makes this site one of the greenest metal production plants in the country

The Course

Duration - 4 years 6 Months *[6 months to apply qualification to work]*

First year is spent in college - UHI Inverness.

Start date July 2026 *(college starts in September)*

You will gain: National Certificate *(with option to progress to HNC and HND)*, SVQ Level 3 at SCQF level 6

What you will learn:

Technical Skills

Hands on experience with various tools, equipment, and technologies.

Problem Solving

Learn to analyse problems, identify root causes, and implement effective solutions.

Project Management

Learn about project timelines, budgeting, and resource allocation.

Communication Skills

Learn to convey technical information to both technical and non-technical audiences.

Safety Protocols

Understand and adhere to safety regulations and protocols in engineering environments.

Quality Control

Gain knowledge of quality control processes and methods to ensure that engineering projects meet specified standards.

Professional Development

Acquire an understanding of the broader engineering industry, including its trends, advancements, and best practices.



Networking

Build a professional network by interacting with experienced engineers, mentors, and industry professionals.

Regulatory Compliance

Learn about relevant laws, regulations, and standards governing the engineering profession.

Adaptability and Innovation

Cultivate a mindset for innovation and continuous improvement.

DUTIES & RESPONSIBILITIES

1. Electrical Plant & Equipment

- Support planned maintenance, inspections, and shutdown activities.
- Assist in the maintenance and fault diagnosis of electrical equipment and associated systems.
- Learn to interpret electrical drawings, schematics, and single line diagrams.
- Develop understanding of site process equipment and auxiliary systems.

2. Electrical Distribution (LV & HV)

- Support maintenance of LV and HV switchgear, transformers, motors, and protection systems.
- Assist with safe isolation, switching procedures, and permit-to-work systems in accordance with site safety rules.
- Participate in inspection and testing of distribution boards, cabling systems, and associated infrastructure.

3. Control & Power Systems

- Assist with maintenance of control panels, power supplies, UPS systems, and associated equipment.
- Learn systematic fault-finding and problem-solving techniques on operationally critical systems.
- Support testing and commissioning activities where appropriate.

4. Health, Safety & Environmental Compliance

- Comply fully with Health & Safety at Work Act requirements and site-specific safety rules.
- Work under supervision in line with Safe Systems of Work and Permit to Work procedures.
- Complete mandatory training (e.g., electrical safety, manual handling, working at height).
- Promote and contribute to a positive safety culture.



5. Apprenticeship & Professional Development

- Attend college as required and successfully complete all academic modules.
- Build and maintain an SVQ portfolio of workplace evidence.
- Participate in regular reviews with workplace mentor and training provider.

Hours of work

37 Hours Mon - Fri

Salary:

£20,280 per annum

- Annual Increments each year in September
- All expenses paid, including college accommodation and travel allowance
- Salary upon qualification from £39,855.49

Requirements

- Four National 5s, two at A or B (one of which must be Maths) and two at A – D
- Must be aged 16 or over
- Scottish resident with a Right to Work in the UK.