



## What will I be doing?

What you will be doing day to day will depend on your chosen pathway; we offer a number of different pathways including:

## Engineering Design

**Location: Sellafield, Cumbria / Risley, Warrington.**

As an Engineering Design Degree Apprentice you will be part of a training programme designed to develop the skills required to successfully deliver Sellafield Ltd's current and future missions as an Engineer. You will learn common elements of engineering such as the application of Maths and Science to engineering design and fundamentals of computer aided engineering including 3D modelling. Engineering design apprentices will gain specialist technical knowledge in one of the following chosen pathways:

- Civil & Structural Engineering Design
- Control, Electrical and Instrumentation Engineering Design
- Mechanical Engineering Design

## Civil Asset Management

**Location: Sellafield, Cumbria**

As an Apprentice you will learn a broad range of civil asset management knowledge; this will provide you with a comprehensive understanding of the full life cycle of civil assets. This includes design, construction, operations, inspection, specifications, maintenance, repair, replacement and asset management techniques associated with civil assets. You will gain the relevant experience necessary to understand the current condition of civil assets and determine how they will meet the future functional needs of the Sellafield site.

## Information & Communications Technology (ICT)

**Location: Sellafield, Cumbria**

As an ICT Apprentice you will follow a broad training programme designed to introduce you to the many elements of Information Technology (IT) and Operational Technology (OT), together referred to as ICT. Whilst focusing on the IT aspects, you may work in a team to change or develop systems ranging from small plant based self-managed IT applications through to outsourced enterprise-wide systems. Whilst focusing on the OT aspects, you will learn about powerful control systems and associated technology used to control, safeguard and monitor all aspects of plant operations. Over 5 years, in partnership with Gen2, you will be trained in the design, development, maintenance and servicing of plant control systems. You will gain experience in computer programming, fault finding, electrical principles, maintenance of plant automation systems, knowledge of process plant operations and control system technologies.

## Operations

**Location: Sellafield, Cumbria**

Apprentices within the Operations profession have a fairly diverse role – it can be control room based (which is mainly monitoring plant conditions and responding to alarms via remote systems and computers) to more hands on work, such as sampling activities, decommissioning redundant equipment with tools and in some instances using robotics/automated technology to complete work packages will be required. There are documented instructions that must be followed for nearly all aspects of the work, the more complex the work the greater the supervision and control. Most of the roles are working in team sizes of around 10-12 people that are usually made up of a diverse group, with different backgrounds. Many areas operate a shift pattern which involves working weekends and unsociable hours.

## Quality Engineer

**Location: Sellafield, Cumbria**

An Apprentice Quality Engineer works alongside experienced engineers, you will learn how to problem solve using a variety of tools and techniques that will benefit projects, operational areas, and the supply chain to improve their processes and enable the successful completion of the company's mission. You will learn governance, assurance, leadership and improvement skills to be able to implement change in a variety of organisations and scenarios.

## Scientific

**Location: Sellafield, Cumbria**

Scientific Apprentices will learn how to work in nuclear facilities as part of a technical team, alongside experienced professionals. They will learn how to manage the processes of today and help solve the problems of the future.

## Technical

**Location: Sellafield, Cumbria**

Technical Apprentices will follow a custom made training scheme, you will develop core skills in the areas of science and engineering whilst undertaking wider practical elements of training on our exciting new build, commissioning/ decommissioning programmes.

## What do I need to consider?

To succeed on your chosen scheme you should have a passion for a STEM (Science, Technology, Engineering or Maths) based subject and a desire to pursue a career within the field. You will have the opportunity to complete a Level 6 Bachelors of Engineering degree or a Level 6 Bachelors of Science degree, whilst learning the practical skills required for the role.

Throughout your chosen scheme, you will get to work on exciting projects and deliver complex pieces of work whilst becoming an integral part of a community of enthusiastic, talented individuals, who will go on to shape the future of Sellafield Ltd.





## What is a Degree Apprenticeship at Sellafield Ltd?

Degree Apprenticeships offer the opportunity for you to combine working with studying part-time to gain a bachelor's degree (Level 6) in your chosen pathway subject. At Sellafield Ltd we have a range of degree apprenticeship pathways from Engineering Design through to ICT. You will need to balance on the job training with studying and ensure you are equally committed and successful with both. The skills you will acquire are in high demand and are transferable throughout the nuclear industry; beyond acquiring these skills should ensure you will have a long and successful career.

## Where will my training be delivered?

### Cumbria based Apprentices:

All Apprentices will complete a 17-week bridging course delivered at one of our local training providers.

Year 1 – Design Engineering and ICT schemes will be based full time at one of our local training providers undertaking PEO (Performing Engineering Operations).

Years 2-5 – On completion of the PEO course, Design Engineering and ICT schemes will be based in the work place with day release at one of our local training providers.

Years 1-5 – All other schemes will be based in the work place with day release at one of our local training providers throughout their Apprenticeship.

### Warrington based Apprentices:

Year 1 – All Apprentices will commence full time academic and engineering studies at one of our local training providers.

Years 2-5 – All Apprentices will be office based but will continue academic studies at one of our local training providers.

## What qualifications will I obtain?

Phase 1: Level 5 Foundation Degree/HND in either Engineering or Applied Chemistry within the first 3 years.

For candidates with the potential to progress further:

Phase 2: Level 6 Bachelor's Degree in Engineering (BEng) or a Bachelor's Degree in Science (BSc) aligned to your chosen scheme over a further 2 year period.

As an integral part of your apprenticeship your progress will be monitored and assessed against government standard requirements. You will compile an evidence folder, demonstrating your areas of learning with accredited certificates of completion for elements of your training. Within the last six months of your apprenticeship you will undertake an assessment by an independently appointed organisation, where you will be expected to clearly demonstrate your capability to perform in the role you are aligned to.

## What are the entry requirements?

- Grade C (Step 4) or above in at least 5 GCSEs including English Language, Maths and a Science (Physics, Chemistry, Biology or similar).
- A minimum of 96 UCAS points, including Maths and Science at A Level grade C or above. Other Level 3 STEM qualifications may be considered.
- Same requirements for Sellafield and Risley.

# GOOD THINKING PEOPLE

## Degree Apprenticeship Scheme – (36-60 month phased programme)

