

# Research Scientist

**Research Scientists work at the absolute cutting edge of innovation, leading pioneering scientific research to develop novel insights, technologies, or products.**

## Apprenticeship overview

This post-graduate level apprenticeship is designed for individuals leading strategic science projects. It typically incorporates a Master's degree (MSc) or equivalent. You will learn to formulate original hypotheses, secure research funding, manage cross-disciplinary collaborations, and publish work in peer-reviewed scientific journals.

## Core skills, knowledge and behaviours you will learn

- Formulating and executing novel, high-impact scientific research strategies
- Advanced statistical modelling, data architecture, and computational science
- Strategic project and organisational leadership within scientific frameworks
- Grant writing, funding acquisition, and budget accountability
- Preparing work for international peer review, academic journals, and patent applications
- Navigating complex ethical, environmental, and global regulatory landscapes

## Where you might work

- Organisation-run research centres and university laboratories
- Corporate R&D hubs in sectors like biotech, clean energy, and artificial intelligence
- Government scientific advisory bodies and national defence laboratories
- Enterprise-level clinical trial organisations

## Typical job roles

- Research Scientist
- Senior Scientist
- Principal Investigator
- Senior R&D Specialist

Level: 7  
Duration: 33 months



## Good to know

The role carries high autonomy, requiring a self-directed approach to uncovering answers to unproven scientific questions

Excellent networking and communication skills are required to collaborate with international research communities

This standard offers a direct pathway toward Chartered Scientist (CSci) status