

Technician Scientist

Level: 5
Duration: 39 months

Technician Scientists utilise well-developed laboratory and analytical skills to execute complex scientific experiments, trials, and projects with a high degree of independence.



Apprenticeship overview

Positioned between technician and full scientist levels, this standard focuses on project coordination and advanced scientific methodology. You will learn to troubleshoot experimental faults, evaluate data trends, and contribute directly to the development of new products, processes, or technologies.

Core skills, knowledge and behaviours you will learn

- Advanced laboratory techniques and scientific principles
- Project management, resource allocation, and budgeting in science
- Scientific data interpretation, mathematical modelling, and statistical validation
- Compliance with strict global regulatory standards (e.g., GLP, GMP, ISO)
- Continuous improvement and problem-solving methodologies
- Effective technical reporting and presentation to stakeholders

Where you might work

- Biopharmaceutical and clinical trial laboratories
- Advanced materials, polymer, or nanotechnology companies
- Agricultural and food science research facilities
- Industrial chemical R&D facilities

Typical job roles

- Technician Scientist
- Senior Laboratory Technician
- R&D Technical Specialist
- Process Development Technician

Good to know

This role balances hands-on bench science with desk-based project management and data analysis

It includes a higher-level qualification (such as a Foundation Degree or Higher National Diploma)

Ideal for those looking to manage lab environments or transition eventually into senior scientist positions