

MODERN APPRENTICESHIP IN LIFE SCIENCES (ATMP)

Working as part of a multi-disciplinary team focusing on research, development or commercial manufacture of Advanced Therapies



SCQF Level 7 HNC in Applied Bio-Science, SVQ Level 3 & core skills



24-36 months duration, depending on prior learning and experience



for apprentices <20 yrs fully funded, >20 yrs £2,200 employer contribution



Targeted for new entrants or existing staff to upskill in applied biological sciences and practical laboratory skills

Occupation Summary:

Modern Apprentices in Life Sciences carry out laboratory based investigations and scientific experimentation using established instrumentation techniques and a range of routine and specialised skills following well established principles associated with an organisation's science and technology in Advanced Therapies. They work as part of a wider scientific team, which may include laboratory scientists and laboratory technicians, in settings where there is certainty and with limited ambiguity taking personal responsibility for decision making in routine predictable contexts.

Typical job roles may include: Laboratory Technician, Microbiology Support Scientist, Process Development Technologist, Laboratory Assistant, Technical Specialist, Quality Control Laboratory Assistant, Laboratory Analyst, Laboratory Research Assistant

HNC Qualification

- Statistics for Science – practical use in the laboratory environment
- Laboratory Skills
- Cell Biology – theory and practical
- Fundamental Chemistry
- Applied Sciences
- Biochemistry – optional module applicable for Life Sciences ATMP role
- Biotechnology - optional module applicable for Life Sciences ATMP role
- Microbiology - optional module applicable for Life Sciences ATMP role
- DNA & Genetics - optional module applicable for Life Sciences ATMP role

SVQ Level 3

- Health and Safety within the workplace
- Carry out scientific or technical testing operations
- Quality compliance and the role of workplace regulations
- Assess and communicate scientific or technical information to authorised personnel
- Plan scientific or technical sampling and testing activities
- Working in a team and supporting others
- Carry out small scale processing, scientific investigations and sampling operations
- Diagnose faults, repair and maintain scientific or technical equipment
- Maintain and control stocks of all resources, equipment and consumables
- Make presentations for scientific or technical activities



Training Provider Analysis:

This is an exciting **Modern Apprenticeship** in Life Sciences designed at SCQF Level 7 and adapted for work in the Advanced Therapy area. Training provider analysis across Scotland revealed a progressive training provider with a focus on STEM apprenticeships and a history of working with Scottish industry, based in Falkirk.

Forth Valley College currently have extensive experience delivering Engineering apprenticeships and a small number of Life Science apprenticeships which they have delivered to the Science Industry over the last 5-10 years. New, dedicated STEM facilities open in November 2019.



Entry requirements:

- Technically there are no entry level requirements for this Modern Apprenticeship, however the employer may wish to set these to ensure quality of candidates.
- Typically good grade Standards and some Highers may be set as expected entry requirements, particularly in STEM related subjects.
- Apprentices without core skills will be supported and funded in development of these to the acceptable level



Progression Routes:

- At the end of the apprenticeship apprentices will have achieved a HNC and SVQ Level 3 LATA
- Following successful completion apprentices can progress on the HND, either full-time or part-time day release sponsored by the employer.
- Further degree level qualifications are available through part-time or full-time routes following.



Is this an apprenticeship standard for new entrants or existing staff to address a skills shortage in your business?