7b. T Level in Science

The Progression Profile

This T Level has three occupational specialisms: Technical Laboratory Sciences; Technical Food Sciences; and Technical Metrology Sciences.

For these occupational specialisms, there are progression pathways into apprenticeships, education and work.

The T Level is based on an occupational standard. The occupational standard will have an apprenticeship option, which is referred to in the profile as the ‘relevant occupation’.

For some apprenticeships, in particular the relevant occupation, a learner may have covered the content to a high level. They will not need to complete the apprenticeship in this step, this is noted as ‘not applicable’. An apprenticeship may also be shortened due to recognised prior learning (RPL), this is noted as accelerated. Links to the mapping have been included which detail the areas in need of further development before full competence is reached in that occupation.

For work, whilst some roles may be accessed after completing the T Level, others are available after further training and gaining more experience.

Please see below, the progression options for the occupational specialism:

1. Technical Laboratory Sciences

For apprenticeships and technical qualifications at level 3, the relevant occupation Laboratory Technician is not applicable. There is a level 3 Animal Technologist apprenticeship.

At level 5, there is the Technician scientist apprenticeship.

At level 6, there is the Laboratory scientist apprenticeship.

Potential apprenticeship standards include Food Testing and Laboratory Manager.
For education, degree options may include Microbiology and Biological Sciences.

For work, career progression could include Laboratory assistant, Laboratory technician, Analytical Support Chemist, Technical Support Scientist, Microbiology Support Scientist, Analytical Chemist, Research & Development Scientist and Molecular Biologist.

2. Technical Food Sciences

For apprenticeships and technical qualifications at level 3, the relevant occupation Food Technologist is not applicable.

At level 6, there is the Food Industry Technical Professional apprenticeship.

Potential apprenticeship standards include Food Testing/Laboratory Manager and Food Safety Director.

For education, degree options may include Nutrition and Dietetics.

For work, career progression could include Food technologist, Assistant Food Technical Manager, Quality Manager, Shift Quality Manager, Hygiene Manager and Product Innovation and Development Technologist.

3. Technical Metrology Sciences

For apprenticeships and technical qualifications at level 3, the relevant occupation Metrology Technician is not applicable.

At level 5, there is the Senior Metrology Technician apprenticeship.

At level 6, there is the Forensic Collision Investigator (integrated degree) and Laboratory scientist (degree) apprenticeships.

For education, degree options may include Microbiology and Biological Sciences.

For work, career progression could include Technician, Engineer and Senior Metrology Technician.
Other progression options may include Engineering, Construction, Aerospace and Healthcare.