

## 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 apprenticeship'.

For some apprenticeships, in particular the relevant apprenticeship, 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** at level 3, the relevant apprenticeship [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** at level 3, the relevant apprenticeship [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** at level 3, the relevant apprenticeship [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.

