



# LIFE SCIENCE & CHEMICAL SCIENCE PROFESSIONALS

## Level 4, Apprenticeship Framework

This Higher Apprenticeship programme is designed for new entrants to roles that use life sciences, chemical science, food science, process/packaging development and healthcare science as well as provide progression and re-skilling routes for existing laboratory, scientific and technical employees.

The nature of the laboratory, scientific and technical job roles will vary according to the needs of the employer, but apprentices could work in areas such as production, research and development, scientific analysis in manufacturing, health, environmental, forensic science and contract services.

### ELIGIBILITY/ENTRY REQUIREMENTS

- BTEC National Diploma/  
Certificate in Applied Science  
with Merits in units.
- A Levels in Science related  
subjects Grades A\* to C.

### APPRENTICESHIP REQUIREMENTS

Willingness to operate effectively and efficiently within their chosen sub-sector and work with their employer/training provider to apply their learning, such as health and safety, in the work place.



## TYPICAL JOB ROLES IN THIS AREA INCLUDE:

Finished Product Analyst, Development Analyst, Quality Control Technician/Analyst, Laboratory Analyst, Laboratory Technician, Quality Technician, Tissue Culture Laboratory Technician.

## PROGRESSION ROUTE:



Life Science and Chemical Science Professionals Level 4 provides the foundation for progression onto HND level study.

### KEY FACTS:

<b>Delivery location</b>	Stretford Campus.
<b>Typical duration</b>	24 months.
<b>Study mode/frequency</b>	Day release.
<b>Apprenticeship Framework</b>	Upon completing this apprenticeship, the learner will receive a recognised qualification: <ul style="list-style-type: none"><li>• HNC in Biology</li></ul>
<b>Knowledge and skills</b>	<ul style="list-style-type: none"><li>• Unit 5 Cell Biology</li><li>• Unit 7 Laboratory Techniques for Applied Biology</li><li>• Unit 8 Analysis of Scientific Data and Information</li><li>• Unit 11 Work- based Investigation</li><li>• Unit 4 Project for Applied Science</li><li>• Unit 15 Medicinal Chemistry</li><li>• Unit 17 Chemistry for Applied Biologists</li><li>• Unit 21 Infectious Diseases</li><li>• Unit 24 Human Health and Nutrition</li></ul>
<b>Competency/skills or behaviours</b>	<ul style="list-style-type: none"><li>• Life Sciences Technician Apply knowledge of problem solving</li><li>• Analysis and high level laboratory skills in a broad range of well-defined complex and non-routine work activities in a specific area with a fair degree of personal responsibility and autonomy in a life sciences environment.</li></ul>
<b>Functional Skills</b>	N/A.
<b>Assessment</b>	Learners will be continually assessed as a group and individually. Assessments take the form of case studies, research interviews, observations, oral presentations and critiques of materials in addition to essays.

For further information contact START on **0161 886 7461** or email **start@tcg.ac.uk**  
Stockport, Trafford, Apprenticeship, Recruitment Team



THE  
**TRAFFORD  
COLLEGE**  
GROUP