

**T-LEVELS**  
THE NEXT LEVEL QUALIFICATION



THE  
**BEDFORD**  
COLLEGE  
GROUP



**T-LEVEL SCIENCE COURSE OVERVIEW**

# **CITY AND GUILDS T-LEVEL TECHNICAL QUALIFICATION IN SCIENCE**

## **(LEVEL 3)**

The T-Level Technical Qualification in Science allows learners to gain an understanding of what is needed to work within the science industry.

This qualification is aimed at learners aged 16-19 years old who wish to work in the science industry.

A learner who completes this qualification is well placed to develop to full occupational competence with further correct support and training.

T-Levels are new courses which will follow GCSEs and will be equivalent to three A Levels. These two-year courses have been developed in collaboration with employers and businesses so that the content meets the needs of industry and prepares learners for work.

In the first year, students will study a science common core, before undertaking an occupational specialist component in Year 2. The second aspect of the course will be a work placement where the student will gain on-the-job technical skills relevant to their course. As part of the course they will be set a work-based project which will allow them to apply the knowledge and skills they have gained. This work placement will be a minimum of 45 days.



## YEAR 1 CORE CONTENT

The core content relates to the whole route, and the pathway that the Technical Qualification covers. This breadth of content will help to ensure students are able to apply their knowledge, understanding and skills in a variety of contexts and for a variety of different purposes.

The core content indicates the relevant knowledge and understanding of concepts, theories and principles relevant to all occupations within accounting. This could include, where appropriate, assessment of knowledge and understanding relevant to the route and the pathway.

### ELEMENTS OF CORE KNOWLEDGE

- Working within the Health and Science sector
- Health, Safety and Environmental regulations in the Health and Science sector
- Good Scientific and Clinical Practice
- Core Science Concepts
- Scientific methodology
- Understanding of ethics in science

In addition to the Core Knowledge, students will gain knowledge and understanding of the Core Skills within the qualification. These are assessed through the Employer Set Project. The Core Skills are as follows:

- Selection and use of appropriate equipment
- Appropriate techniques for handling a range of different substances
- Appropriate measurement equipment for a range of different substances and measurement scales
- Microscopy techniques including use of light microscope and haemocytometer.

## YEAR 2 - OCCUPATIONAL SPECIALIST CONTENT

In the second year, students will undertake their chosen pathway. Specialist content is structured into different **occupational specialisms**. They ensure students develop the knowledge and skills necessary to achieve a level of competence needed to enter employment in their occupational specialism, and are organised around **'performance outcomes'** that indicate what the student will be able to do, as a result of learning and applying the specified knowledge and skills.

There is a single synoptic assessment for The T-Level Science Occupational Specialism, which is an extended 'design, development and implementation' project. The synoptic element of the project is important to ensure students can demonstrate threshold competence and are able to evidence all the skills required by the Performance Outcomes.

### PERFORMANCE OUTCOMES

- **Perform a range of appropriate scientific techniques to collect experimental data in a laboratory setting, complying with regulations and requirements**
- **Plan, review, implement and suggest improvements to scientific tasks relevant to a laboratory setting**
- **Identify and resolve issues with scientific equipment or data errors.**



## INTRODUCING T-LEVEL PLACEMENTS: A GATEWAY TO TALENT AND GROWTH

T-Level placements are more than just a work experience opportunity—they are a direct pathway for introducing the next generation of skilled talent into your business. These placements allow students to immerse themselves in the workplace, contributing fresh perspectives while gaining valuable hands-on experience.

At The Bedford College Group, we don't see this as a standalone opportunity. Upon successful completion of a T-Level placement, we are perfectly positioned to transition students into apprenticeships, enabling them to continue their career journey within the placement. This seamless progression ensures that employers benefit from a workforce that is not only familiar with your business but also eager to grow and develop within your industry.

Our mission is to offer more than just education; we aim to create meaningful career pathways. By partnering with us, you'll have access to a continuous pipeline of enthusiastic, well-prepared talent ready to meet the evolving needs of your sector.

The Bedford College Group wants to be your trusted talent partner —working alongside you to identify, develop, and nurture the future of your workforce. Together, we can build a journey that transforms students into valuable employees and supports your business in achieving its long-term goals.



# CONTACT US

If you would like to offer an industry placement and want to find out more information or how to proceed, please contact our Business Development team



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