

# T level in Science



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Subject	Level	Study Mode	Duration	Start Date
Forensic Science	Level 3	Full-Time	2 Years	September 2026

## The Course

### Course Aims

- > The purpose of the T Level Technical Qualification in Science (Level 3) is to ensure
- > students have the knowledge and skills needed to progress into highly skilled
- > employment, an Apprenticeship or higher-level study, including university,
- > within the specialist areas of Laboratory Science and Food Science.
- > At the end of the Technical Qualification, students are expected to demonstrate
- > threshold competence, which means that they have gained the core knowledge
- > and skills related to science and are well placed to develop full occupational
- > competence with additional development and support once in employment
- > in the science sector.

### What You Will Study

- > Students learn about the following topics:
- > Core Biology concepts:
  - > ? Cells and tissues
  - > ? Biological molecules (carbohydrates, lipids and proteins)
  - > ? Enzyme and protein structure
  - > ? DNA and RNA
  - > ? Cell cycle
  - > ? Exchange, transport mechanisms and ecosystems
  - > ? Cellular respiration
  - > ? Pathogens (causative agents)
  - > ? Immunology.
- > Core Chemistry concepts:
  - > ? Materials and chemical properties
  - > ? Rates of reaction and energy changes
  - > ? Kinetic changes rates of chemical reactions
  - > ? Acids/bases and chemical change
  - > ? Chemical analysis of substances
  - > ? Formulae and equations.
- > Core Physics concepts:
  - > ? Particles and radiation
  - > ? Electricity
  - > ? Magnetism and electromagnetism
  - > ? Waves
  - > ? Gas laws
  - > ? Pressure/fluid/viscosity
  - > ? Units and quantities.
- > The science sector (synoptic):
  - > ? Working in the science sector
  - > ? Good scientific practice.

## Time Required on Campus

3 to 4 days

## Work Experience

T Levels combine classroom theory, practical learning and a minimum 315 hours of industry placement with an employer. The work placement ensures students have real experience of the workplace.

## Careers

Job roles could include: ? Laboratory Research Scientist ? Biomedical Scientist ? Medical Laboratory Assistant ? Food Safety Analyst.