

# T Level in Science

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Subject Area	Science
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	2 Academic Years
Start Date	September 2025
Course Code	PA000509



## Course Summary

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Are you fascinated by science and curious about how it shapes our world? This T Level is perfect for anyone ready to explore the endless possibilities of a career in the science sector.

You'll dive into the fundamentals of health and science, learn about cutting-edge experimental techniques, and gain hands-on experience with real scientific methodologies.

From understanding how cells work to studying enzymes, pathogens, and the classification of biological materials, this course opens the door to exciting opportunities in the world of science.

## What You Will Learn

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This course equips you with the essential knowledge, skills, and confidence to excel in the science sector. You'll learn:

- Core science skills and up-to-date industry knowledge valued by employers.
- Building essential English, Maths, and digital skills for your career.
- How to meet professional standards and improve your performance through technical knowledge and practical skills.
- Scientific theories, concepts, and principles, such as infection prevention,

safeguarding, and data management.

- Understanding workplace health, safety, and environmental regulations.

You'll also complete an Employer-Set Project in an area of your choice, showcasing skills like teamwork, communication, and problem-solving.

## Modules

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### Section A

- Working in health and science
- The science sector overview
- Health, safety, and environmental regulations
- Applying safety practices in the workplace
- Managing and processing data
- Ethics in science
- Good scientific and clinical practices
- Scientific methods and techniques
- Using experimental equipment

### Section B

- Core science concepts Chemistry, Physics and Biology
- Further science concepts

### Occupational specialism – Technical Laboratory Sciences

- Perform Scientific Techniques: Collect experimental data in a lab while following regulations
- Plan and Improve Tasks: Plan, review, and enhance scientific tasks in the lab
- Solve Equipment and Data Issues: Identify and fix problems with equipment or data errors

## Entry Requirements

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5 GCSEs including Science (Combined or Triple), Maths and English Language at grade 5 or above.

## Work Experience

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You will be required to complete a minimum of 315 hours (45 Days) industry placement.

This placement is to develop your occupational specialism skills as well as those necessary to working in any environment.

## Progression

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Successful completion of this course can lead to employment, apprenticeships or higher education like university.

Careers can include Science Technician, Food Technologist, Laboratory Technician, Metrology Technician, and more.

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