

# T LEVEL SCIENCE: LABORATORY SCIENCES

Subject Area

Student Type

Study Mode

Health, Social Care &  
Life Sciences

Students aged 16-18

Full Time

## What is the course about?

Our exciting new T Level Science is suitable for anyone wanting a career in the fascinating science industry. It is equivalent to three A Levels and is delivered through a combination of classroom-based study and within an industry setting.

Delivered by expert teachers and industry specialists, this programme will broaden your options as you will cover a variety of topics and specialist areas. This means that when it comes to employment, you'll have the knowledge and skills to go wherever your ambitions take you.

Topics covered will include:

- Core scientific knowledge of biology, chemistry and physics, studying a range of topics from cells, microbiology and immunology, structure of materials and chemical properties, chemical analysis of substances, electricity, magnetisms, particles, radiation and kinetic changes
- Scientific analytical techniques
- Scientific methodology
- Experimental equipment and techniques
- Understanding the science sector

You will also focus on an occupationally-specialised unit linked to a laboratory technician that includes scientific techniques, collecting experimental data in a laboratory-based setting, and understand how to identify and resolve issues with scientific equipment or data errors.

## Why should I choose the course?

This T Level programme is delivered over two years and has been designed in collaboration with our expert teaching team, industry links and employers. Through a blend of classroom working and an extended industry placement, you will be fully prepared for a highly successful career within the science sector.

You will develop knowledge and understanding of concepts, theories and principles, supporting practical application of skills, both within the classroom setting and within an extended Industry placement. This will ensure that you are fully equipped for your next steps.

You will learn in our state-of-the-art science laboratory that also includes industry standard equipment such as HPLC, and IR and UV.

## What will I learn?

You will develop skills and knowledge in a wide range of topics and occupational specialisms including:



**Warrington  
& Vale Royal  
College**

Warrington Campus  
Winwick Rd, Warrington WA2 8QA

 [wvr.ac.uk](http://wvr.ac.uk)

 01925 494 494

Winsford campus  
Weaver St, Winsford CW7 4AH

 [learner.services@wvr.ac.uk](mailto:learner.services@wvr.ac.uk)

- Working within the science sector
- Scientific and clinical practice
- Application of scientific practices in the workplace
- Scientific methodology
- Experimental equipment and techniques
- Scientific techniques collecting experimental data in a laboratory-based setting

## What will the course lead on to?

This T Level will fully prepare you for employment and a dynamic career. Due to the broad range of topics covered on the Science, you'll be equipped for a career in a variety of settings:

- Science Technician, e.g. quality control, research and development
- Clinical Laboratory Technician
- Industry and Manufacturing Technician
- Science Technician in the Education sector
- Food technician
- Healthcare Science Assistant

You can also use this T Level to progress to a related higher-level apprenticeship or course of study at degree level.

## Are there any links with industry and university?

You will complete an extended industry placement, equivalent to 315 hours over two years. Whilst it is beneficial for you to self-source your own industry placement, you will have the support of an industry placement officer to provide the extra help in finding relevant industry placements if required. Within the placement you will apply your classroom-based skills and knowledge within an industry environment, giving you the experience to better prepare you for future employment.

## What support is available?

You will be allocated a progress coach who will provide you with support to help you succeed on your study programme and progress on to your chosen career or progression path. We have a team of staff dedicated to providing learning support if required, as well as a welfare team that is on hand to offer guidance, support and help when needed. Additionally, eligible students can access a wide range of finance and funding support to help them during their time at college.

Click here for learning support: <https://wvr.ac.uk/college-life/learning-support>

Click here for finance support: <https://wvr.ac.uk/college-life/financial-support>

## Why should I choose to study the course at Warrington & Vale Royal College?

This course is delivered by our expert teachers and is designed in collaboration with industry and employers. It is delivered within our state-of-the-art science laboratory, with all the very latest industry standard equipment such as HPLC, and IR and UV.

The unique blend of Classroom and laboratory-based delivery and industry placement will fully prepare you for your next steps, whether that be into highly skilled employment, higher education or onto a higher apprenticeship.



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## What are the entry requirements?

You will need a minimum of five GCSEs at grade 4 or above, including English and maths, or you will have needed to have successfully completed a Level 2 course and have GCSE English and maths at grade 4 or above.

## Are there any additional costs associated with the course?

Costs will be kept to a minimum however you should expect to contribute to trips and visits, and you will be required to wear a lab coat during practical sessions with suitable eye protection worn throughout, the cost of which is £10-£15. You will also need stationary, scientific calculator and money for printing. Trips costs are payable by students but may be subsidised.



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