

T Level - Healthcare Science

(2 Year Course / Equivalent to 3 A Levels)

Mendip Studio School Campus



What is the course about?

'There are over 50,000 healthcare scientists working in the NHS and public health services. Together they provide the scientific backbone of the NHS and their work underpins 80% of all diagnoses. Their role stretches across the whole innovation pathway from academic and translational research, to patient-centred service transformation.

The healthcare science profession is uniquely placed to harness the UK's world class healthcare research base, improve patient outcomes and assist NHS England in its goal to accelerate innovation.' *NHS England 2022*

In the **Healthcare Science T Level** course all students will develop a general understanding of the healthcare science sector, whilst learning industry-related skills and information in both health and science:

- health, safety and environmental regulations
- managing information and data
- principles of good scientific and clinical practice
- core science concepts including the structure of cells, tissues and large molecules, genetics, microbiology and immunology
- working within the health and science sector

They will also learn about topics specific to healthcare science:

- understanding the healthcare science sector
- further knowledge of human anatomy and physiology, diseases and disorders, genomics and medical physics
- providing person-centred care
- infection prevention and control
- good scientific practice

How is it assessed?

Core component: Grades A* to E are based on combined scores from written examinations and an employer-set project. Occupational specialism component: distinction/merit/pass grades are based on coursework assignments.

What might the course lead to?

You could progress to higher education in courses such as Bsc (Hons) degrees in Nursing, Paramedic Science and Diagnostic Radiography. You may find an apprenticeship or employment starting in an entry level role in the healthcare science sector, or a job as a pharmacy technician, nurse or clinical healthcare scientist.

Why choose T Levels?

T Levels are ideal if an individual wants to:

- Develop practical skills, knowledge and behaviours that show occupational competence
- Apply theory in real workplace settings
- Combine classroom learning (80%) with on-the-job employment experience (20%)
- Continue their post-16 education with well-defined goals and aspirations
- Pursue a high-quality technical route into skilled employment, further study or higher/ degree apprenticeships
- Develop maths, English and digital skills within the qualification framework



TL | HM Government

T-LEVELS

THE NEXT LEVEL QUALIFICATION

TL | HM Government

T-LEVELS

THE NEXT LEVEL QUALIFICATION

TL | HM Government

T LEVEL IN HEALTHCARE SCIENCE

↑ ABOUT T LEVELS

T Levels are new courses that follow GCSEs and are equivalent to 3 A Levels. They've been co-created by the industry you want to be a part of, so you can gain the knowledge and skills you need to leap ahead of the crowd and into your desired career.

↑ ABOUT THE COURSE

The core element of a T Level in Healthcare Science will boost your knowledge in a range of topics such as the principles of good scientific and clinical practice; as well as standard operating procedures, management of equipment and work areas, and the importance of quality standards, health and safety. Healthcare Science is critical, not only for the delivery of current healthcare, but also to develop innovative tests and treatments for the future.

You'll then choose a specialism designed to support your interests, so you can get deeper into your chosen subject and build up the skills you need for your future job. For example, Assisting Healthcare will be one of the specialisms available.

Then you'll be able to put everything you learn into practice, with a substantial industry placement of around 45 days. Giving you you an amazing opportunity to work with an employer while you study, in a laboratory, hospital or healthcare setting, and gain invaluable experience as well as key skills that employers are looking for.

↑ WHERE COULD THE COURSE TAKE ME?

Following a T Level, you could progress straight into a skilled profession or continue your studies with a degree or higher apprenticeship. Career options might include becoming a clinical analyst or a healthcare science associate – speak to your careers adviser to find out more.

↑ WHAT'S NEXT?

To discover more about the T Level in Healthcare Science visit an open day or log on to www.tlevels.gov.uk