

Creating the Next Generation of Health Professionals

Welcome to **T-Level Health & Science - Assisting with Healthcare Science Occupational Specialism**. You are about to embark on the most exciting journey. This fact sheet is designed to prepare you for the first steps. The second part gives you an overview of the programme.


Be prepared:

Preparation leads to success! The Health T-Level team would like you to complete the following tasks, this will give you the opportunity to reflect on the programme before you sign up.

Is this course right for you?

It is important to make sure you are choosing a career that suits your skills and abilities as well as being a rewarding and fulfilling role.

Tasks to complete :

<p>Task 1 - Careers in the NHS https://deri.elht.nhs.uk/explore-the-roles.html Please complete the step into the NHS careers quiz</p>  <p>Core A Healthcare science Working as an Allied Health Professional Allied Health Professionals - A Universe o...</p> <p>Please complete the step into the NHS careers quiz. Make notes of 3 careers highlighted in the video.</p>	<ul style="list-style-type: none"> ○ What does the term AHP mean? ○ Names 3 AHP careers: ○ What are the 4 pillars? ○ What opportunities can you gain from public health: ○ Name 3 different organisations you could work in as an AHP:
<p>Task 3- Core B - Science i) Physics In preparation for the Physics you will be studying on your T-Level, please complete the following online courses. These cover two of the topics that you will be studying in September. The courses are free, and you can register with any email address.</p> <ul style="list-style-type: none"> ● What are Waves? ● Scales in Space and Time <p>II) Chemistry http://www.rsc.org/learn-chemistry/resources/screen-experiment/titration/experiment/2</p>	<p>Core Science</p> <p>You will be introduced to some of the fundamental principles of Physics, including waves and the importance of measurements, units and scales.</p> <p>One of the skills you work on developing in Year 1 is volumetric analysis using titration. It is important you understand the principles</p>

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<p>(use in Chrome or Safari) Topic areas covered: - Volumetric analysis techniques e.g. preparing standard solutions, undertaking an acid/base titration; - Amount of substance calculations e.g. converting mass to number of moles and determining concentration.</p> <p>III) Biology Physiology of the human body</p> <p>In order to prepare yourself for these units, please complete the following tasks:</p> <p>Musculoskeletal System: Human skeleton to label and colour Video to help (using subtitles might help)</p> <p>Osteoporosis is a medical disorder of the musculoskeletal system. Research the condition and its symptoms and explain how and why these occur? How is it diagnosed? What treatments are available and how these help the disorder?</p> <p>This will support assignment work in this unit - approx a page and a half A4 font size 12 needed.</p>	<p>behind this laboratory technique.</p> <p>There are 4 levels to complete - approx 30 mins each. At the end of each level there is a review section for students to reflect on their progress and draw conclusions. This is another important skill as you progress through your study with us.</p> <p>You will learn about the systems of the body and how they are regulated and link this to vocational practice</p>
<p>Research task We would like you to choose a current issue from the list in the opposite box. Write a small report (1000 words) identifying what the issue is, who it is affecting and what measures can be put in place to help/solve the issue.</p> <p>Please List all the websites/books you have used at the end of the report.</p>	<p>This activity is designed to highlight the demands of the course. Your research, presentation, and spelling will be looked at.</p> <p>Topic List:</p> <ul style="list-style-type: none"> ○ Mental Health and Young people ○ NHS Waiting times ○ Lack of Midwives ○ Ageing Population

If you have any questions about this course please email course lead Zoe Ashton
zashton@burnley.ac.uk

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Course Information

Entry Requirements:

This is a demanding course and the entry requirements are as follows, although if you don't achieve the required grades, please speak to programme leader for these T levels at enrolment:

- Physics – grade 6
- Chemistry – grade 6
- Biology – grade 6
- English Language – grade 6
- Maths – grade 6
- Any additional subjects – grade 5

What will you learn?

The T-Level in Healthcare science is designed to help you gain the knowledge and skills you need for the healthcare science sector.

During your first year, you will study examined topics on the health and science sector, including providing person-centred care, good scientific and clinical practice, infection control and health and wellbeing. You will also complete an employer set project where you will demonstrate the wider skills you have learnt. In the second year, you will focus on an occupational specialism (supporting healthcare science), where you learn industry specific skills to support healthcare science professionals in their daily and clinical tasks. This will be undertaken in college and supported during your time in placement.

Assessment:

Year 1

70% Core Exams; 30% Employer Set Project

Year 2

100% Occupational Specialism (Assisting with Healthcare Science) - practical synoptic assessments.

Exam Board

NCFE

Recommended Reading:

<https://www.tlevels.gov.uk/students/subjects/health>



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Core A Elements:

Topic	Title	Intent
1	A1: Working within the health and science sector	You will gain an understanding of the day-to day process of health and science environment
2	A2: The healthcare science sector	You will have an insight into where the healthcare science sector began, how it is funded and what job roles there are.
3	A3: Health, safety and environmental regulations in the health and science sector	You will become equipped to work safely and be legally compliant within the health and science sector.
4	A4: Health and safety regulations in healthcare science	You will look at legislation and regulation applicable to the health sector
5	A5: Providing person-centred care when working in healthcare science	This topic will enable you to understand human development, as well as the values of the healthcare sector
6	A6: Infection prevention and control in healthcare science settings	As part of this topic, you will learn techniques required for effective infection control and the importance of clinical and personal hygiene
7	A7: Managing information and data within the health and science sector	Here you will learn about record keeping of patient's information and how this can be shared safely
8	A8: Managing information and data	
9	A9: Good scientific and clinical practice	You will learn about standard operating procedures, and the consequences of not following these
10	A10: Good scientific practice	

Core B Elements:

Topic	Title	Intent
B1	Science Concepts	You will learn more about the human body and how it functions, as well as aspects of biology , chemistry and physics , which are essential for a healthcare worker.
B2	Further Science Concepts	

Special Features:

This course includes 315 hours of placement within the health sector, where you will be able to use the skills you have learnt on the course. You will gain an insight into a health professional's occupation and learn 'on the job' skills where you can see first-hand what it is like to work on the front line.

Where Will This Lead?

T-Level Healthcare science students can apply for higher education in a range of subjects such as allied health professionals, nursing, radiographer or laboratory assistant. They can also choose to progress directly to employment in roles such as a healthcare support worker.

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