

Health and Life Sciences Sector

We are Bristol's College

Welcome

Introduction

Health science and life science both focus on the study of different living things here on Earth. Life science generally seeks to answer the what, where, how and why of all living things, while health science focuses on the discovery, treatment and preservation of animals and human beings.

Health science differs from basic sciences such as biology, physics and chemistry because those disciplines often explore topics unrelated to health. Although this type of science concentrates specifically on health problems and health outcomes, it is a broad interdisciplinary field that encompasses both natural science and behavioural science.

Careers in Health and Life Sciences

Here are just a few examples of job titles that have been advertised in the South West region within the last year:

- Laboratory Technicians
- Behaviour Analyst
- Community Health or Public Health Worker
- Doctor
- Hearing Aid Specialist
- Health Educator
- Mental Health Counsellor
- Patient Care Advocate
- Pharmacy Sales Representative
- Biostatistician
- Molecular and Cellular Biologist
- Microbiologist
- Biochemist
- Biologist
- Geneticist

What sort of skills will I need?

Here are some key skills that employers in this sector commonly include in job adverts:

- Communication
- Enthusiasm
- Management
- Research
- Investigation
- Innovation
- Self-motivation
- Detail oriented
- Leadership
- Quality assurance
- Compassion
- Decision Making



How many jobs are out there?

It's estimated that there are **126,500 jobs natural and social science** in the UK, with **1,787** of those located in Bristol.

The science, research, engineering and technology sector is predicted to grow by **9.1%** in the UK from 2017 to 2027. In the South West, that figure is even higher at **9.2%**, creating an estimated **13,019** jobs in the region.

The workforce is projected to grow by **6.2%** over the period to 2027, creating **4,300** jobs.

In the same period, **48.5%** of the workforce is projected to retire, **creating 33,400 job openings**.



What can I expect to earn within this industry?

Salary is always dependent on qualifications, skill and experience, but the median annual salary for biological scientists and biochemists in the UK is **£38,956**. The annual median for natural and social science professionals in the South West is **£37,084**.

Student Case Study

While 18-year-old Lauren Toms was studying her Health and Social Care Level 3 at City of Bristol College, she was praised for dedication and enthusiasm by her teachers. Wanting to further her learning, Lauren joined the vaccine rollout through her work with St Johns Ambulance.

“ I wanted to help the community even more and I volunteered to give the vaccine to thousands of people at Ashton Gate Stadium. Not only will it develop my first aid skills but the training was exciting.





All my teachers were really supportive and I have been able to approach them for any support needed. I would strongly recommend the college and pursuing a career in computing to anyone. ”



Lauren Toms, Health and Social Care student



Health, Education & Care

NAME OF COURSE	ENTRY REQUIREMENTS	BASIC INFORMATION	PROGRESSION TO HE	PROGRESSION TO APPRENTICESHIPS
BTEC Health & Social Care L3 Year 1 Foundation Diploma 	5 GCSE A-C (9-4) Must have English & Maths	Placement hours required 45 day work pilot Exams attached to qualification	Progression to year 2 of programme at COBC	
BTEC Health & Social Care L3 Year 2 Extended Diploma 	Must have successfully completed Year 1	Placement hours required 100 hours	<ul style="list-style-type: none"> • Ex Cert – Progression to Level 3 Diploma • FDN – Progression to Level 3 Ex Dip • Progression to Higher education including HNC/D in Computing or Games Design at CoBC dependant on achievement of 48 UCAS points 	
BTEC Health & Social Care Extended cert L2 	<ul style="list-style-type: none"> • 4 GCSE D (3) grade must have these in English and Maths • L2 FS accepted • L1 FS in Maths accepted 	Placement hours required 100 day work pilot	<ul style="list-style-type: none"> • Progress to Level 3 • Students can access English and maths 	HSC Level 3 Apprenticeship Health and Social Care Level 3 Apprenticeship City of Bristol College
BTEC Level 1 Introductory in Health and Social Care 	<ul style="list-style-type: none"> • 3 GCSE Grade 2 in Maths and English • Will accept E3 in Maths only 	X2 block weeks of placement	<ul style="list-style-type: none"> • Progress to Level 2 • Students can access English and maths 	HSC Level 2 Apprenticeship Health and Social Care Level 2 Apprenticeship City of Bristol College


Early Years and Education

NAME OF COURSE	ENTRY REQUIREMENTS	BASIC INFORMATION	PROGRESSION TO FURTHER STUDY OR HE	PROGRESSION TO APPRENTICESHIPS
Childcare & Education L3 Cert Year 1 F/T NCFE CACHE	<ul style="list-style-type: none"> • 5 GCSE A-C (9-4) • Must have English & Maths 	Placement hours required 45 day work pilot	Progress to Level 3, year 2	
Childcare and Education L3 Yr. 2 Dip F/T NCFE/CACHE	Must have successfully completed Year 1	Placement hours required- (350 per year) 800 over 2 years	Early Childhood - BA(Hons) - UWE Bristol	



Early Years and Education (continued)

NAME OF COURSE	ENTRY REQUIREMENTS	BASIC INFORMATION	PROGRESSION TO FURTHER STUDY OR HE	PROGRESSION TO APPRENTICESHIPS
L2 Early Years Practitioner	<ul style="list-style-type: none"> • X4 GCSE grade 3 in Maths and English • Will accept FS L1 in Maths 	Placement/ Work Ex required (30 hours)	<ul style="list-style-type: none"> • Progress to Level 3 • Students can access English and maths 	<ul style="list-style-type: none"> • Early Years Educator Level 3 Apprenticeship at CoBC • Early Years Advanced Apprenticeship City of Bristol College
NCFE CACHE LEVEL 1 DIPLOMA IN CARING FOR CHILDREN	<ul style="list-style-type: none"> • 3 GCSE Grade 2 in Maths and English • Will accept E3 in Maths only 	X2 block weeks of placement	<ul style="list-style-type: none"> • Progress to Level 2 • Students can access English and maths 	<ul style="list-style-type: none"> • Progress to Level 2 Early Years Practitioner • Early Years Practitioner Level 2 Apprenticeship City of Bristol College

Adult provision in Early Years and Education

NAME OF COURSE	ENTRY REQUIREMENTS	BASIC INFORMATION	PROGRESSION TO FURTHER STUDY OR HE	PROGRESSION TO APPRENTICESHIPS
EYE Adult L3 EARLY YEARS WORKFORCE (EARLY YEARS EDUCATOR) DIPLOMA LEVEL 3 NCFE/CACHE 	<ul style="list-style-type: none"> • 5 GCSE A-C (9-4) • Must have English & Maths • L2 FS accepted In English & Maths • L1 FS Maths accepted but must enrol on Maths GCSE alongside 	<p>Must have placement arranged for 350 hours & DBS</p> <p>Advanced learner loan available to those to support finance.</p>	<ul style="list-style-type: none"> • Early Childhood - BA(Hons) - UWE Bristol: Courses 	
EARLY YEARS PRACTITIONER DIP L2 (ADULT) NCFE/CACHE	<ul style="list-style-type: none"> • 4 GCSE D (3) grade must have these in English and Maths • L1 FS Accepted in Maths but must enrol on Maths GCSE 	Must have placement arranged for 250 hours & DBS	Progression to Level 3 EY at CoBC	
Supporting Teaching and Learning L3 NCFE/CACHE	<ul style="list-style-type: none"> • GCSE A-C (9-4) FS Level 2 in English & Maths • 6 months relevant experience 	<ul style="list-style-type: none"> • Must complete 100 hours in a school placement & DBS check • Re-occurrence of course In Jan 2022 	<ul style="list-style-type: none"> • FdA Level 4 & 5 Educational Support at CoBC • BA Hons Education in Professional Practice Level 6 at UWE 	
Supporting Teaching & learning L2 NCFE/CACHE	At least level 1 FS adult literacy or GCSE English & FS L1 in Maths.	<ul style="list-style-type: none"> • Must complete 100 hours in a school placement & DBS check • Re-occurrence of course In Jan 2019 	<ul style="list-style-type: none"> • Level 3 STL at CoBC 	<ul style="list-style-type: none"> • Teaching Assistant Level 3 Apprenticeship • Teaching Assistant Apprenticeship Apprentice teaching course (cityofbristol.ac.uk)

Adult provision in Health and Social Care

NAME OF COURSE	ENTRY REQUIREMENTS	BASIC INFORMATION	PROGRESSION TO FURTHER STUDY OR HE	PROGRESSION TO APPRENTICESHIPS
HSC Adult L3 PREPARING TO WORK IN ADULT SOCIAL CARE CERT L3 (ADVL), NCFE/CACHE	<ul style="list-style-type: none"> • 5 GCSE A-C (9-4) Must have English & Maths • L2 FS accepted In English & Maths • L1 FS Maths accepted but must enrol on Maths GCSE alongside 	Must have placement arranged for 100 hours & DBS	<ul style="list-style-type: none"> • Access to HE pathways at CoBC • Access to Higher Education courses City of Bristol College • Same routes at UWE as above 	
H&S Care Adult L2 PREP TO WORK IN ADULT HEALTH & SOCIAL CARE L2 NCFE/CACHE	<ul style="list-style-type: none"> • 4 GCSE D (3) grade must have these in English and Maths- some flexibility • A good level of English and Maths (check at interview) 	<ul style="list-style-type: none"> • Learner must enrol on GCSE due to aid progression to L3. • Must have placement arranged for 60 hours & DBS 	<ul style="list-style-type: none"> • Progress on to Level 3 • Students can access English and maths 	
Applied Science Level 3 Extended Diploma Pearson 	<ul style="list-style-type: none"> • GCSE 9-4 including English, maths and science • Recommend working towards grade 5 	<ul style="list-style-type: none"> • Two pathways • Analytical and Forensic Science / Biomedical Science 	<ul style="list-style-type: none"> • Forensic Science (with Foundation Year) - BSc(Hons) - UWE Bristol: Courses • Biological Sciences (with Foundation Year) - BSc(Hons) - UWE Bristol: Courses • Biological Laboratory Sciences - FdSc - UWE Bristol: Courses • Environmental Science (with Foundation Year) - BSc(Hons) - UWE Bristol: Courses • Diagnostic Radiography - BSc(Hons) - UWE Bristol: Courses • Criminology (with Foundation Year) - BA(Hons) - UWE Bristol: Courses 	<ul style="list-style-type: none"> • Healthcare Science Practitioner – Clinical Engineering • Or Medical Physics or physiological sciences • Nursing • Paramedic Practice • Occupational Therapist
Applied Science Level 2 Extended Certificate Pearson 	<ul style="list-style-type: none"> • GCSE grade 3 or above in English, maths and science. • Initial assessment 	Students study English and maths alongside to support progression to Level 3	Progression to Level 3 Applied Science	

