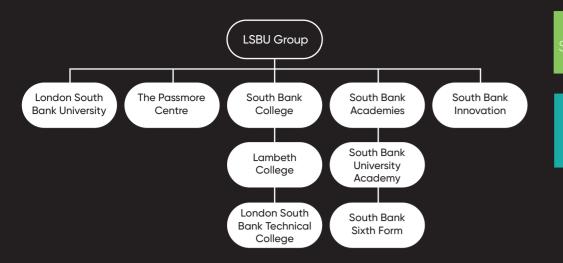
## Fit for the future, ready for the real world.

Our goal is to help you succeed, no matter what your age, background, or educational experience. We provide career focussed pathways across all levels, from Entry to Level 8, providing high quality education and sector specific learning to prepare you for your life beyond education and qualifications.



Joining LSBU Group gives our students unrivalled access to educational opportunities, advice and guidance as well as sought-after apprenticeships and work placements. Our students are guaranteed progression to both LSBTC and

Whether your next destination is within LSBU Group or elsewhere, we are one of a handful of providers who offer students the opportunity to progress to one of our new Level 4 one-year courses. Successful completion of this enables our students to fast-track to year 2 of an LSBU degree, saving money as well as providing a standalone, qualification that employers recognise should you decide to leave vour studies there.

\*after successful completion of a Group qualification that has a progression route

#### Further information about careers in Information Technology can be found here:

www.careerpilot.org.uk www.prospects.ac.uk Chemistry: www.rsc.org

Psychology: www.bps.org.uk

www.nationalcareers.service.gov.uk www.careersmart.org.uk Dentistry: www.bdia.org.uk Physics: www.iop.org

Sport and Exercise: www.bases.org.uk

www.startprofile.com Biology: www.rsb.org.uk

Environmental Science: www.the-ies.org Physiotherapy: www.csp.org.uk Forensic Science: www.csofs.org

Part of LSBU | GROUP

LAMBETH SB\COLLEGE

LONDON SOUTH BANK B\TECHNICAL COLLEGE

SBU SIXTH

LSBU

**Bank University** 

South Bank University Academy

Places on Applied Science and Dental courses, at all levels, are highly sought-after every year. If you believe this is the career pathway for you, but you lack hands-on experience, then we advise you to seek a placement prior to applying.

#### The following websites are a great place to start:

www.england.nhs.uk/participation/get-involved/volunteering

www.guysandstthomas.nhs.uk/careers/other-types-of-work/volunteering/volunteering.aspx www.kch.nhs.uk/about/get-involved/volunteering www.london.gov.uk/what-we-do/volunteering www.southlondoncares.org.uk/get-involved www.handsonlondon.org.uk

www.healthwatchlambeth.org.uk/volunteer

www.britishscienceassociation.org/volunteer



## The Need for Applied Scientists

There has never been a better time to consider entering this rewarding industry. The life sciences directly employ over 268,000 people across the country and consists of over 6,600 businesses. With careers that range from Clinical research to Sport and Exercise Scientists, there are thousands of exciting opportunities within the sector.

# Over 6,500

new jobs were published in the table across the life sciences sectors

**Vacancy listings** in Greater London alone being in excess of 2,400 new jobs

A report by The Board of Trade found that the overall life science sector had an annual turnover of £89 billion

Laboratory roles were the busiest scientific function, with over 1,000 new scientific vacancies.

## **An Introduction to Applied Science**

Applied sciences refer to science subjects that involve applying scientific principles to practical settings. Whereas Pure Science is the research that focuses on theoretical aspects of different topics, Applied Science takes these findings and - through experimentation, testing, and practical application - implements them in a real-world context. A huge and varied number of industries require Applied Scientists, including dentistry, clinical healthcare, disease prevention, engineering, technology, manufacturing, conservation and ecology, professional sports, psychology, physiotherapy, criminology, forensics, energy and pharmaceuticals.







## Is Applied Science and Dental the Right Pathway for You?

If you enjoy all things science, have a passion for problem solving and a great eye for detail- a career in Applied Science could be for you. Science is always evolving so you'll be a lifelong learner, staying up to date on the latest breakthroughs and discoveries.

Applied science is often very hands on and involves practical experiments and working with equipment in

## **Careers in Applied Science**

Studying applied science can open a world of job opportunities. From working in labs to being part of research teams, you could be contributing to discoveries and innovations. In the UK STEM related jobs are growing at a rate of around 1.7 times faster than non-STEM jobs.

In 2022, there were approximately 668,000 people employed by the NHS in full-time clinical roles, and many of these medical professionals work in the Applied Sciences; it is estimated that the NHS will require an additional 314,000 full-time

staff by 2031 in order to meet the country's needs - meaning there has never been a better time to consider entering this vital and rewarding industry.

The private sector also offers excellent career prospects and job opportunities for the right person. The life sciences as a whole (of which Applied Science is a key part) directly employs 268,000 people across the country (excluding the NHS and public sector), and consists of over 6,600 businesses. When factoring in those employees that are employee in the wider life sciences industry this figure is actually closer to 580,000.

What's more, 50% of all life science jobs are located in London, East of England and the South East – meaning that when you study with LSBU Group, you're already perfectly positioned in the heart of the scientific sector.

Employers, actively seek LSBU Group Applied Science graduates with accredited degrees, as they're a mark of quality assurance and professional relevance.

Our industry connections include The Worshipful Company of Bakers, the London Fire Brigade, Met Police, the NHS, England Rugby and the Rio Ferdinand Foundation.

Chemists can earn from £21k to £40k p.a. while Senior Medicinal Chemists can earn up to £80k annually; a **Dental Nurse** can expect a starting salary of around £22k rising to £33k with experience; Environmental Scientists earn an average of £36k annually, with their pay ranging from £23k to £56k; Forensic Scientist salaries typically start at around £21k while training, increasing to between £25k and £35k with experience, and reaching in excess of

£50k p.a. at senior levels; **Laboratory Technician** starting salaries tend to be around £19k to £22k, rising to £28k with the requisite experience and qualifications, while senior and

management technicians can earn in the range of £30k to £40k a year.

#### Here are just a few ideas: Biomedical Scientist

- Chemist
- Chemical Technician
- Clinical Researcher
- Criminologist
- Dental Nurse
- Environmental Scientist
- Field Application or Support
- Food Scientist

Scientist

- Forensic Scientist
- Laboratory Analyst
- Laboratory Technician
- Marine Biologist

There are plenty of opportunities open to you.

Medical Science Liaison (MSL)





- Pharmaceutical Sales and Marketing
- Pharmacologist
- Physiotherapist
- Psychologist Radiologic Technologist
- Research Assistant
- Sport and Exercise Scientist Sustainability Manager
- Technical Application or
- Support Scientist
- Technical Sales Specialist

# APPLIED SCIENCE AND DENTAL



London South Bank Technical College



Lambeth College





**ENTRY** LEVEL

Award, Certificate (ELC), Diploma English for speakers of other languages (ESOL) Essential skills Functional skills Skills for Life

**ESOL** English for English/ Speakers of Maths Other Languages

ESOL 16-18s study programme (tasters) construction/sport/health and social care/early years

Adult Basic Skills -Digital, Employability, Numeracy, Skills for Life, Literacy

Sector based Work Academy Programmes Inclusive Learning - Preparation for Employment/ Independent Living Skills/Learning for the Community/Life and Work Skills, Practical Living Skills/ Progression to Life and Work/ Preparation for Work and Supported Internship

ESOL for Health and Social Care

LEVEL

First Certificate, Award, Certificate, Diploma, ESOL Essential skills Functional skills National vocational qualification (NVQ)

Science

**ESOL** English for Speakers of Other Languages

**ESOL** for Health and Social Care

**Princes Trust** Team Programme

English/Maths

LEVEL

Intermediate Apprenticeship, Award, Certificate, Diploma, ESOL Essential skills Functional skills GCSE NVQ

Science

Science T Level Foundation Programme

**ESOL** English for Speakers of Other Languages

Assisting with

Healthcare Science

(Dental Nursing)

BSc

Hons Psychological Counselling

Princes Trust Team Programme

English/Maths

Range of GCSE and BTEC options

HE Diploma: Medical

Biosciences (Access)

LEVEL

Advanced Apprenticeship Applied General NVQ

Access to HE Diploma

Award, Certificate, Diploma, ESOL T Level

(Forensic Science)

HE Diploma: Health &

Human Science (Access)

Range of A Level

options

(Child Development/Criminal/Forensic Psychology, Criminology)

**BSc Hons Psychology** 

**Applied Science** 

HE Diploma: Nursing

Applied Science

(Biomedical Science)

Chemistry

BSc Biomedical Science (FT/With Placement)

(Access)

Biology

Principles and Practice of **Dental Nursing** 

Healthcare Science

Psychology

BSc Hons Sport and Exercise

Science

Science

Dental Nurse

(Apprenticeship)

Sociology

Health

**HNC Applied Sciences** 

**HNC Applied Sciences** 

(Biology)

**HNC Applied Sciences** 

(Forensic Science)

**Dental Technology** 

**LEVEL** 

Higher Apprenticeship

NVQ

CertHE

Award, Certificate, Diploma

**LEVEL** 

DipHE Foundation Degree HND Award, Certificate, Diploma NVQ

LEVEL

Degree Apprenticeship Degree (with or without Honours) Graduate Certificate/Diploma Award, Certificate, Diploma NVQ

LEVEL

Integrated Master's Degree Award, Certificate, Diploma, NVQ, Master's Degree Postgraduate Certificate / Diploma Postgraduate Certificate in Education (PGCE)

MSc Addiction Psychology and Counselling

MRes Applied Science

BSc Hons Forensic Science

MRes Human Sciences

MSc Mental Health and Clinical Psychology

MRes Psychology MRes Food Sciences

MSc Psychology

**LEVEL** 

Doctorate (PhD or DPhil) Award, Certificate, Diploma

PhD Human Sciences

PhD Psychology

PgCert Mental Health and Clinical Psychology

PhD Food Sciences



T Level, includes 45-day industry placement 

Direct yr2 entry on to LSBU degree programme on successful completion 

APP Apprenticeship 

Foundation year available



