



St George's
University of London

**HEALTHCARE
SCIENCES
PRACTITIONER
(INTEGRATED DEGREE)
APPRENTICESHIP**



Become
specialist

Health | Medicine | Science

The UK's specialist health university

HEALTHCARE SCIENCES PRACTITIONER (INTEGRATED DEGREE) APPRENTICESHIP

The BSc (Hons) Healthcare Science (Physiological Sciences) course is a three-year integrated apprenticeship degree that combines academic and work-based learning through employment. As a clinical physiologist you'll work with patients to improve the quality of their lives. The diagnostic tests you perform, analyse and interpret will provide patients with the correct diagnoses and therapies. If you want to specialise and develop expert knowledge, but still interact with patients, this is the course for you.

Gain a degree recognised by employers

When you graduate, you'll be eligible to register with the Academy for Healthcare Science (AHCS) and apply for clinical physiologist roles within the NHS.

Study while you work

By completing this apprenticeship you will gain a BSc (Hons) in Healthcare Science while on your apprenticeship journey.

Study at the UK's specialist health university

We are the UK's only university dedicated to medical and health sciences education, training and research and we have over 250 years of innovation, keeping pace with the health challenges of a changing NHS.

↓ A student carrying out an exercise ECG test

FIND OUT MORE

Duration

33 months practical, plus up to 3 months End Point Assessment

Start date

23 September 2024

Full course info

sgul.ac.uk/hc-sa



WHAT WILL I LEARN?

YEAR 1

In your first year you'll be introduced to the scientific knowledge underpinning the field of physiological sciences. From the start, the programme is explicitly designed as a preparation for clinical practice, slanted towards medically relevant information and clinical context. During work-based training you will perform (under supervision) a range of routine cardiac and or respiratory procedures, including electrocardiograms (ECG), blood pressure, spirometry and pulse oximetry.

YEAR 2

In year two, you will focus on your specialism, deepen your knowledge and understanding of the pathophysiology of common cardiovascular and respiratory diseases, such as asthma, chronic obstructive pulmonary disease (COPD), syncope (fainting), sleep apnoea, heart attacks, heart failure and irregular heartbeat (arrhythmia). This is reinforced by speciality-specific work-based training, during which time you will build on your existing clinical skills and undertake more advanced procedures.

YEAR 3

The final year focuses on the application of skills and final preparation for practice, so you graduate with the knowledge, experience, professionalism and clinical competencies required of a clinical practitioner. You will spend a significant time on work-based training, providing the hands-on experience needed to build real expertise, undertaking yet more advanced clinical procedures.



HOW IS THE APPRENTICESHIP TAUGHT?

The time on the programme is split between work-based learning which you will do with your current employer and university-based learning. Teaching methods include lectures, face to face and online; seminars, tutorials, case-based learning, data interpretation exercises, group work, computer-aided learning, clinical skills training in simulated environments and clinical placements. You will have anatomy tutorials in the Anatomy suite during your first year and spend time working with the specimens in our extensive pathology museum. Case-based learning (CBL) allows small groups to work together (with a facilitator) to discuss and debate clinical cases (e.g., kidney disease, diabetes, heart/ lung disease etc), and review patient history, medication, diagnostic tests and test results to identify the correct diagnosis.



← Meet the specialist

Cynthia Simon: Senior Lecturer in Clinical Physiology

"We excel because of our clinical teaching staff who are an attentive team, with a wealth of experience. Not only will you learn the theory but get hands-on experience in a variety of interactive lectures and in your work placements, so you will be confident when you complete your apprenticeship and start your new role."

MODULES

YEAR 1

Core Modules

- Scientific Basis of Healthcare Science 1
- Scientific Basis of Healthcare Science 2
- Professional Practice 1
- Scientific Basis of Cardiovascular, Respiratory and Sleep Science
- Clinical Training 1

YEAR 2

Core Modules

- Professional Practice 2
- Research Methods
- Instrumentation, Signal Processing and Imaging
- Pathophysiology of Common Cardiovascular and Respiratory Conditions

Specialist Modules

Cardiac Physiology

- Cardiac Physiology
- Clinical Training 2 – Cardiac Physiology

Or

Respiratory and Sleep Physiology

- Respiratory and Sleep Physiology
- Clinical Training 2 – Respiratory and Sleep Physiology

YEAR 3

Core Modules

- Professional Practice 3

Specialist Modules

Cardiac Physiology

- Applying Cardiac Physiology to Practice
- Research Project in Cardiac Physiology
- Clinical Training 3 – Cardiac Physiology

or

Respiratory and Sleep Physiology

- Applying Respiratory and Sleep Physiology to Practice
- Research Project in Respiratory or Sleep Physiology
- Clinical Training 3 – Respiratory and Sleep Physiology

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VISIT US

Attending a virtual or on-site event is a great way to learn more about St George's. Visit our website to view upcoming dates and book your place.

sgul.ac.uk/events

