School of Healthcare
FACULTY OF MEDICINE AND HEALTH

UNIVERSITY OF LEEDS

BSc (Hons) Healthcare Science (Cardiology)

Why Choose Leeds?

'World leading Research'

Award-winning campus

10 years of clinical physiology training

Taught by experienced practicing professionals

Programme aims

On completion of the programme, students should have provided evidence of being able to:

- understand and demonstrate coherent and detailed subject knowledge and professional competencies some of which will be informed by recent research/ scholarship in the discipline;
- deploy accurately standard techniques of analysis and enquiry within the discipline;
- demonstrate a conceptual understanding which enables the development and sustaining of an argument;
- describe and comment on particular aspects of recent research and/or scholarship;
- appreciate the uncertainty, ambiguity and limitations of knowledge in the discipline;
- make appropriate use of scholarly reviews and primary sources;
- apply their knowledge and understanding in order to initiate and carry out an extended piece of work or project;
- conform to professional boundaries and norms where applicable:
- attain a threshold of practitioner skills as outlined by registration and professional body educational aims

Programme content

Year 1: You will gain a broad understanding of the principles of healthcare science. This alongside an introduction to the theory and practice of Cardiovascular respiratory and sleep studies assessments.

You will also learn about professional working and you will start to develop your independent and critical thinking skills.

Year 2: You will learn about a range of invasive and non-invasive diagnostic assessments which will prepare you for your longer clinical placement at the end of the academic year. In particular you will focus on ECG interpretation, ambulatory monitoring, exercise tolerance testing and cardiac catheterisation. You will undertake a NHS clinical placement at the end of this year where you will continue to develop your cardiological skills.

Year 3: You will explore more deeply a wide range of cardiac disorders and the options available to treat and manage these conditions. You will also conduct a research project in one particular area of cardiology. You will continue to develop your practical skills both in the on-site clinical laboratories and also in your final clinical placement in semester 2 of this year.

Throughout the programme you will develop the skills necessary to become a cardiac physiologist but you will also gain more general skills such as critical thinking, problem solving, independent learning, scientific enquiry, professional working and reflective practice.

Year one 120 credits	**Year two** 120 credits	**Year three** 120 credits
Professional Practice* 10 credits Scientific Basis of Healthcare Science* 60 Scientific Basis of Healthcare Science (Cardiovascular, respiratory and sleep science division) 50 Work-based Training (Cardiovascular , respiratory and sleep science division) 10	Professional Practice 10 Research Methods* 10 Principles of Scientific Measurement (Cardiology)* 30 Scientific Basis of Healthcare Science (Cardiology))* 60 Work-based Training (Cardiology) 10	Professional Practice* 10 Scientific Basis of Healthcare Science *60 Practice Based Project 30 Specialist Work-based Training 20

Employment opportunities

Career opportunities in Cardiac physiology are excellent both within the UK and around the world. Cardiac disease is a major problem of the western world . Therefore in the UK the demand for cardiac physiologists is greater than the number practising and this situation will ensure a continued future for registered cardiac physiologist professionals.

The NHS employs the majority of cardiac physiologists . Some Cardiac physiologists work in the private sector and in GP surgeries. Opportunities arise for cardiac physiologists to work in industry as application and specialist, which involves supporting clients in using and trouble shooting equipment.

Cardiac physiologists work largely autonomously making clinical decisions and providing clinical reports. As well as conducting assessment and providing treatment, Cardiac physiologist roles also include those of consultant, counsellor, advisor, educator, facilitator, researcher and therapist.

Your Placements

The School has a trusted placement circuit based in the region. Some travelling may be involved but assistance will be provided by our SHA until further notice.

Entry requirements

5 GCSE's grade C or above to include English Language, Maths and Science
Plus either

3 A levels at grade ABB
(which must include at least one or more in Biology, Physics or Chemistry)

OR
BTEC Extended Diploma in Science at Distinction/ Distinction/Distinction

OR
Access to Higher Education Course in Science (Kite marked) with a minimum of 45 level 3 credits passed at distinction.

Other qualifications commensurate with the above.

Fees and bursaries

No upfront fees. The tuition costs for this course are £9,000 per year. A non means-tested loan is available, which is only repaid once you earn a salary of over £21,000.

Non-repayable loans are available. See the University site for more details.

Applications

Please apply to:
The Universities and Colleges Admissions Service (UCAS)
Rosehill, New Barn Lane, Cheltenham, Gloucestershire GL52 3LZ
Tel: 0870 112 2200
www.ucas.com
By 15th January 2012.

Further Information

Admissions,
School of Healthcare,
University of Leeds,
Baines Wing,
Leeds LS2 9UT
Tel: 0113 343 1348

Email:
admissions@healthcare.leeds.ac.uk

Websites

http://www.healthcare.leeds.ac.uk/study/UG/clinical-physiology/

http://www.nhscareers.nhs.uk/careers