NUTRITION AND MEDICAL SCIENCES BSc /
UCAS CODE: B400
2018 ENTRY

www.ucl.ac.uk/prospectus/nutrition
Nutrition and Medical Sciences BSc /

This programme examines nutrition at all stages of life and associated problems including obesity, disease-related malnutrition and eating disorders. These incidences arise from several causes and have an impact that reaches worldwide. UCL is a global leader in research on nutrition and obesity, child health, epidemiology and the psychology of disordered eating.

Key information

Programme starts
September 2018

Location
London, Hampstead (Royal Free Hospital)

Degree benefits

// You will gain a thorough grounding in nutrition science and the way it relates to personal diet, lifestyle and modern patterns of disease.

// You will develop a holistic approach to obesity and malnutrition in the modern world, combining biomedical and societal approaches.

// The knowledge and skills gained on this programme will enable you to engage with healthcare professionals and nutritional scientists in whatever sphere you choose to work in after graduating.

// UCL is a world leader in biomedical research, offering a large variety of expert teaching and a wide range of outstanding research opportunities.

Research Excellence Framework (REF) 2014

The Research Excellence Framework, or REF, is the system for assessing the quality of research in UK higher education institutions. The 2014 REF was carried out by the UK’s higher education funding bodies, and the results used to allocate research funding from 2015/16.

// 80% rated 4* (“world-leading”) or 3* (“internationally excellent”)

Learn more about the scope of UCL’s research, and browse case studies, on our Research Impact website.

Degree structure

In each year of your degree you will take a number of individual modules, normally valued at 0.5 or 1.0 credits, adding up to a total of 4.0 credits for the year. Modules are assessed in the academic year in which they are taken. The balance of compulsory and optional modules varies from programme to programme and year to year. A 1.0 credit is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

Year one covers the foundations of human biology and clinical medicine. Core modules will consider the major body systems in health and disease. Biochemistry, physiology, pharmacology and basic anatomy are integrated with an introduction to nutrition and metabolism. This introduces the concepts of nutrition and metabolic processes as they relate to the commonest forms of malnutrition (obesity and disease-related malnutrition).

In year two, you will take six compulsory modules which develop the themes of normal human growth and development. Your optional module could cover genetics, cancer biology or biophysics to broaden your knowledge base.

Year three will form an advanced study of biomedical nutrition emphasising individual therapeutic approaches to obesity, frailty, ageing and sports nutrition. You will consider the setting of developing and developed countries in terms of public health nutrition. Optional modules will allow you to create a tailor-made programme that suits your needs and aspirations. Your research project will enable you to continue to develop core skills as well as new techniques to help you pursue a rewarding and enjoyable career.

YEAR ONE

Core or compulsory module(s)

// Cardiovascular and Respiratory Function in Health and Disease (0.5 credits)
// Data Interpretation and Evaluation of Science (0.5 credits)
// Foundations in Health and Disease (0.5 credits)
// The Gut, Liver and Drug Metabolism (0.5 credits)
// Infection, Inflammation and Repair (0.5 credits)
// Kidneys, Hormones and Fluid Balance (0.5 credits)
// Nutrition and Metabolism 1 (0.5 credits)
// Musculoskeletal Biology (0.5 credits)

Optional modules

// All first year modules are compulsory.

YEAR TWO

Core or compulsory module(s)

// Growth and Development (0.5 credits)
// Malnourishment and Obesity (1.0 credits)
// Molecular Basis of Disease (0.5 credits)
// Nutrition and Metabolism 2 (0.5 credits)
// Research Methods in Research (0.5 credits)
// Statistical Methods in Research (0.5 credits)

Optional modules

// You will choose one of the following:
// Cancer Biology and Therapeutics (0.5 credits)
// The Nervous System (0.5 credits)
// Introduction to Applied Genomics (0.5 credits)
// Physics of the Human Body (0.5 credits)
**Final Year**

**Core or compulsory module(s)**

- Frailty and Ageing (0.5 credits)
- Malnourishment and Obesity 3 (0.5 credits)
- Public Health Nutrition in the Developed World (0.5 credits)
- Public Health Nutrition in the Developing World (0.5 credits)
- Research Project (1.0 credits)
- Sports Nutrition (0.5 credits)

**Optional modules**

- You will choose one of the following:
  - Biomedical Entrepreneur (0.5 credits)
  - Geography and Anthropology of Nutritional Culture (0.5 credits)
  - Human Microbiome in Health and Disease (0.5 credits)

**Your learning**

Students will be expected to read and study before each teaching session as flip teaching will be used. Most teaching sessions in the first year will be small-group tutorials. In the second and third years there will be a blend of tutorials, lectures and practical sessions. A coordinated programme-wide assessment will be used to blend formative and summative assessments. Dissertations will be assessed based on final-year projects.

**Assessment**

Various assessment methods will be used, including: examinations (some of which will be single-best-answer format); coursework (including essays of up to 1,500 words); portfolios; and case presentations.

**Your career**

The BSc is a science degree that integrates nutrition science with anatomy, cell biology, developmental biology, genetics, biochemistry, immunology and infection, neuroscience, pharmacology, physiology and pathology. It differs from most nutrition degrees in that the first year provides a strong foundation in human biology and clinical medicine.

Graduates will develop their capacities for independent thought and writing, as well as learn how to manage their study time efficiently whilst working effectively in groups on advanced topics of concern to society at large. We encourage entrepreneurship through modules on supervision, idea protection and marketing.

The first cohort of students admitted to the Nutrition and Medical Sciences BSc is due to graduate in 2020. Therefore, information about career destinations for students on this programme is not yet available.

**Your application**

Application for admission should be made through UCAS (the Universities and Colleges Admissions Service). Applicants currently at school or college will be provided with advice on the process; however, applicants who have left school or who are based outside the United Kingdom may obtain information directly from UCAS.

Evidence in your application of sustained interest in science—demonstrating your self-motivation and organisational skills—is important. This programme will suit students who want to make a difference in the world, who are innovative and inventive, prepared to be challenged, and willing to explore areas outside their comfort zones. In what way do you meet these criteria?
**Entry requirements**

**A LEVELS**

**Grades**  
AAA-AAB

**Subjects**  
Biology and Chemistry required.

**GCSE**

English Language and Mathematics at grade B. For UK-based students, a grade C or equivalent in a foreign language (other than Ancient Greek, Biblical Hebrew or Latin) is required. UCL provides opportunities to meet the foreign language requirement following enrolment, further details at: [www.ucl.ac.uk/ug-reqs](http://www.ucl.ac.uk/ug-reqs)

**IB DIPLOMA**

**Points**  
36-38 overall.

**Subjects**  
A total of 17-18 points in three higher level subjects including Biology and Chemistry, with no score below 5.

**OTHER QUALIFICATIONS**

UCL considers a wide range of UK and international qualifications for entry into its undergraduate programmes. Full details are given at: [www.ucl.ac.uk/otherquals](http://www.ucl.ac.uk/otherquals)

**UNDERGRADUATE PREPARATORY CERTIFICATES (International foundation courses)**

The Undergraduate Preparatory Certificates (UPCs) are intensive one-year foundation courses for international students of high academic potential who are aiming to gain access to undergraduate degree programmes at UCL and other top UK universities.

Typical UPC students will be high achievers in a 12-year school system which does not meet the standard required for direct entry to UCL.

For more information see: [www.ucl.ac.uk/upc](http://www.ucl.ac.uk/upc).

---

**TUITION FEES**

The fees indicated are for undergraduate entry in the 2017/18 academic year and are for the first year of the programme at UCL only. Fees for 2018 entry will appear here as soon as they are available.

- UK & EU: £9,250 (2017/18 - see below)
- Overseas: £21,960 (2017/18)

The UK/EU fee quoted above may be subject to increase for the 2018/19 academic year and for each year of study thereafter and UCL reserves the right to increase its fees in line with UK government policy (including on an annual basis for each year of study during a programme). Fees for overseas students may be subject to an annual increase in subsequent years of study by up to 5%.

Please see the full details of UCL’s fees and possible changes on the UCL Current Students website.

**FUNDING**

Various funding options are available, including student loans, scholarships and bursaries. UK students whose household income falls below a certain level may also be eligible for a non-repayable bursary or for certain scholarships. Please see the [Fees and funding pages](#) for more details.

**CONTACT**

Dr Nathan Davies  
Email: Med.BSc-Nutrition@ucl.ac.uk  
Telephone:  
Department: Division of Medicine

**EU referendum**

For up-to-date information relating to specific key questions following the UK's decision to leave the EU, please refer to: [www.ucl.ac.uk/eu-referendum](http://www.ucl.ac.uk/eu-referendum)

---

**Disclaimer**

This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL's degree programmes please see the UCL Undergraduate Prospectus at [www.ucl.ac.uk/prospectus](http://www.ucl.ac.uk/prospectus)