NUTRITION AND MEDICAL SCIENCES BSc / UCAS CODE: B400 2020 ENTRY

www.ucl.ac.uk/prospectus
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 worldwide impact. 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 2020

Location
London, Bloomsbury

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.

Degree structure

In each year of your degree you will take a number of individual modules, normally valued at 15 or 30 credits, adding up to a total of 120 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 30-credit module is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

Year one covers the foundations of human biology and 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, cancer risk from nutrition 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 Human Physiology and Cellular Biology (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)
- Musculoskeletal Systems in Health and Disease (0.5 credits)
- Nutrition and Metabolism 1 (0.5 credits)

Optional modules

- All first year modules are compulsory.

YEAR TWO

Core or compulsory module(s)

- Growth and Development (0.5 credits)
- Malnutrition and Obesity (1.0 credits)
- Molecular Basis of Disease (0.5 credits)
- Nutrition and Metabolism 2 (0.5 credits)
- Research Methods (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)
- Nutritional Risks for Cancer (0.5 credits)
- Introduction to Applied Genomics (0.5 credits)
- The Nervous System and Neurological Diseases (0.5 credits)
- Physics of the Human Body (0.5 credits)
**Final Year**

**Core or compulsory module(s)**
- Frailty and Ageing (0.5 credits)
- Malnutrition 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:
- Nutrition and Cancer Therapies (0.5 credits)
- 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 flipped teaching will be used. Most teaching sessions in the first year will be problem-based or in small groups. In the second and third years there will be a blend of tutorials, lectures and practical sessions. A co-ordinated programme-wide assessment will be used to blend formative and summative assessments. Dissertations will be assessed based on final-year projects.

**Assessment**

Formative and summative assessment methods include: online and written examinations (some of which are multiple-choice or short-answer question format); coursework; poster presentations; oral presentations; practical skills assessments.

**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.

**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?

We will use your predicted or achieved academic qualifications, as well as your personal statement and reference to decide whether to offer you a place.
Entry requirements

A LEVELS
Standard Offer: AAB. Biology and Chemistry required.

Contextual Offer: BBB. Biology and Chemistry required.

GCSE
English Language and Mathematics at grade B or 6. For UK-based students, a grade C or 5 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

IB DIPLOMA
Standard Offer: 36 points. A total of 17 points in three higher level subjects including Biology and Chemistry, with no score below 5.

Contextual Offer: 32 points. A total of 15 points in three higher level subjects including Biology and Chemistry, with no score below 5.

CONTEXTUAL OFFERS – ACCESS UCL SCHEME
As part of our commitment to increasing participation from underrepresented groups, students may be eligible for a contextual offer as part of the Access UCL scheme. For more information see www.ucl.ac.uk/prospectus

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

UNDERGRADUATE PREPARATORY CERTIFICATES (International foundation courses)
UCL 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.

Tuition fees
The fees indicated are for undergraduate entry in the 2019/20 academic year. The UK/EU fees shown are for the first year of the programme at UCL only. Fees for future years may be subject to an inflationary increase. The Overseas fees shown are the fees that will be charged to 2019/20 entrants for each year of study on the programme, unless otherwise indicated below.

- UK & EU: £9,250 (2019/20)
- Overseas: £24,760 (2019/20)

Full details of UCL’s tuition fees, tuition fee policy and potential increases to fees can be found on the UCL Students website.

Additional costs
If you are concerned by potential additional costs for books, equipment, etc. on this programme, please get in touch with the relevant departmental contact (details given on this page).

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

Brexit
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/brexit

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