Mode of study available:
FT = full-time
PT = part-time
Flexible study allows academic credits to be accumulated as courses/modules. These are taken over a period of time with a specified maximum length.

The duration of programmes of study is normally given in years, or in months, for example:
PT2 = part-time study over two years
FT9m = full-time study over nine months

KEY for the durations and modes of study for programmes on the subject pages of this Prospectus. For further information see pages 9 and 12.
UCL is a pre-eminent global university where research of world-leading quality and impact feeds directly into your programme of study.

Our central London location provides access to the greatest concentration of libraries, museums and archives in Europe and to the headquarters of many professional institutions, leading businesses and industrial employers.

Our modern estate combines beautiful historic buildings with state-of-the-art facilities including the UCL Ear Institute’s anaechoic chamber.

Eighty-seven per cent of all graduate students (taught and research) enter employment or further study directly on completing their time at UCL (HESA Destination of Leavers, Higher Education Survey 2011).
At UCL, excellence and innovation are key to our vision for education, and we encourage you to take advantage of the many benefits UCL offers. Our ethos embraces academic excellence, global impact, intellectual collaboration and cosmopolitan diversity, and our community provides a stimulating and supportive environment for your graduate study; one in which your curiosity, commitment and ability will flourish.

**World-leading education**

UCL is one of the world’s very best universities, and is consistently placed in the global top 20 in a wide range of world rankings.

**Research-led scholarship**

Eminent, ground-breaking research is being undertaken within and across disciplinary boundaries at UCL. We believe strongly in the application of research to what we’ve termed the ‘Grand Challenges’ in global health, sustainable cities, human wellbeing and intercultural interaction. The discoveries, inventions and insights arising from UCL’s research contribute to the practical improvement of living conditions for the world’s peoples. Our research is core to our academic endeavour – informing and enhancing our teaching and supervision of graduate students – and students have exceptional opportunities to undertake or participate in projects of investigation, experimentation, discovery and development.

**Global outlook, global activity**

UCL’s academic excellence and innovative approach have brought international recognition in the academic and business worlds, facilitating high-level joint ventures and networks. In aiming to address major global challenges we have developed collaborative links with governments, leading educational institutions and industrial and professional organisations across the world.

**A community celebrating diversity and collaboration**

UCL’s staff and students are drawn from a broad range of national, cultural and social backgrounds and work across a wide spectrum of academic disciplines. This contributes to our well-reputed cosmopolitan, dynamic and welcoming atmosphere. Furthermore, it creates in UCL a forum for the exchange of perspectives, a network for international cooperation, and opportunities to defy traditional academic boundaries and open up collaborative, interdisciplinary pathways that address real-world issues and shape the future.

**Foundation for your future**

Your graduate degree constitutes an important step on your route to achieving your ambitions. Whatever your plans, study at UCL is designed to equip you not only with the academic knowledge associated with your chosen qualification, but also with skills for life. Vital skills such as organising your ideas and time, analysing information, communicating complex concepts, appreciating and assimilating different perspectives, and applying theory to real-world circumstances are built into our programmes and supported by training. Such skills are highly valued by employers, and UCL offers a wealth of advice and support to help you achieve your personal, academic and professional aims. Our series of professional networking events is specifically designed to help new graduates embark on their careers.

**London**

UCL’s location in the heart of central London (see map – inside front cover) offers outstanding academic, professional and social benefits. Internationally renowned resources, such as the British Library, are within walking distance; our strong links with industrial and professional bodies based in the capital provide insight into practical, contemporary challenges and solutions. The stimulation, resources and events provided by a vast community of academic scholarship and investigation are here to explore and enjoy. Vibrant and exciting, London also offers boundless opportunities for social and leisure activity.

**UCL Graduate School**

The role of the UCL Graduate School is to ensure high standards of teaching and supervision, to provide support beyond disciplinary boundaries, and to guide strategic developments in graduate education at UCL. It is committed to making sure that the quality and relevance of your graduate studies are of the highest level. It aims to ensure that your education as a graduate student at UCL fulfils your needs and expectations, equips you for a successful future, and enables you to make the most of the excitement of graduate studies. The Graduate School provides and directs many initiatives developed to support and enhance your academic and personal development. These are described further in this Prospectus and at [www.grad.ucl.ac.uk](http://www.grad.ucl.ac.uk).
UCL’s academic distinction is defined through:

- a commitment to translating internationally acclaimed research into enhancing prosperity and quality of life
- an emphasis on interdisciplinary collaboration facilitated by UCL’s multi-faculty structure
- an influence on policymaking at local, national and international levels
- offering an ‘Education for Global Citizenship’ designed to develop your awareness of social justice and environmental responsibility, and encourage you to pioneer change and development for the benefit of others.
UCL provides a unique and stimulating environment for graduate study. Our aims, achievements and reputation contribute to UCL’s special ethos.

**Academic reputation**
We have a long and distinguished international reputation for the quality of our teaching and research. UCL’s continued eminence is demonstrated by its high rankings in external assessments of universities.

**Research quality**
The Research Assessment Exercise (RAE) is conducted jointly by the UK’s Higher Education funding bodies, and the most recent results were published in December 2008. The RAE assesses the research strength of UK universities, producing a quality profile showing the percentage of research at four levels:
- 4* ‘world-leading’
- 3* ‘internationally excellent’
- 2* ‘internationally recognised’
- 1* ‘nationally recognised’.

Sixty-two per cent of UCL’s submissions were ranked at 4* or 3*. Subject entries in this Prospectus give the percentage of staff producing research of world-leading or internationally excellent quality.

**UCL facts and figures**
- Founded in 1826
- Over 24,850 students, of whom 11,000 are graduate students
- 52% female, 48% male students
- More than 9,900 students from countries outside the UK
- 52 academic units in ten faculties
- An overall staff to student ratio of 1:10 allowing a continued emphasis on small-group and one-to-one teaching
- 21 Nobel Prize winners from our former academic staff and students
- UCL staff currently include 35 Fellows of the Royal Society, 11 of the Royal Academy of Engineering, 30 of the British Medical Sciences and 83 of the Academy of Medical Sciences (as at 1 August 2012).

**Our distinguished past**
Whilst looking to the future, UCL is justifiably proud of its heritage. Founded to provide education to all who could benefit from it, UCL was the first UK university to admit students regardless of their race, class or religion, and the first to admit women students on equal terms with men. UCL is noteworthy for remarkable discoveries and famous alumni including:

**Discoveries and inventions**
Five noble gases (argon, helium, krypton, neon and xenon), hormones, adrenaline, auto-immune diseases, beta-blockers, nerve-transmission and the thermionic valve.

**Writers, poets and philosophers**

**Artists**
Augustus John, Gwen John, Stanley Spencer, Wyndham Lewis, Paula Rego, Anthony Gormley and Rachel Whiteread.

**New developments at UCL**
UCL maintains its pioneering reputation through adapting its approaches and structures to rise to new challenges. Recent exciting developments include:

**UCL and the School of Pharmacy**
On 1 January 2012, the School of Pharmacy, University of London merged with UCL. The school is now a part of UCL Faculty of Life Sciences, and is known as the UCL School of Pharmacy. The school continues to provide undergraduate and graduate education in pharmaceutical science as well as undertaking world-leading research focused on advancing and understanding medicines and healthcare, and on creating new medicines. The school has not moved location, but students have access to UCL’s central facilities including its libraries, IT resources and the UCL Students’ Union, as well as those already offered by the school.

**Doctoral student exchange scheme launched**
The Yale–UCL Collaborative Student Exchange Programme, part of the UCL–Yale collaboration, has been launched to enable UCL doctoral students to undertake a period of research at Yale University working under a Yale supervisor. The opportunity will enable UCL doctoral students to experience working in a different academic setting at another world-leading research university and to gather skills that will enhance their current work as well as future personal and professional plans. Exchanges will normally be for a period of three months. For details visit: www.grad.ucl.ac.uk/yale-ucl.

**Global Centre for Research in Sustainable Connected Cities**
UCL, Imperial College London and Intel have announced the launch of the Intel Collaborative Research Institute for Sustainable Connected Cities. The new London-based institute will be Intel’s first research centre and global hub dedicated to exploring how technology can support and sustain the social and economic development of cities worldwide.

**UCL Institute of Biomedical Engineering**
A cross-faculty consortium for the promotion of innovation and translational research in medical technologies, the UCL Institute of Biomedical Engineering (IBME), was launched in June 2012. The institute acts as a bridge between the biomedical, engineering, life and physical science faculties, and the hospitals, in the UCL estate. A key focus is on device-led medical technologies and direct support of principal investigators.
UCL offers a thriving and dynamic academic community, with events, lectures and exhibitions taking place all year round, enabling you to gain insight into the diverse topics being investigated across the university.

Our open-access repository, UCL Discovery, means that you have at your disposal a wealth of academic resources and that any research you produce will reach the widest possible audience, maximising your impact.

UCL Advances, UCL’s centre for entrepreneurship, offers training outside the regular curriculum that can help you prepare to enter the job market or start your own business.

UCL holds specialised and unusual resources and equipment, including Europe’s only virtual financial trading floor in Computer Science.
Computer and IT facilities

The user ID and password issued to you on enrolment will provide access to a wide range of departmental IT facilities, open-access computer workrooms and student residences. This includes your own UCL email address and access to more than 100 software packages, using a secure central filestore with automatic backup. Many departments also have their own computer facilities to meet specialised requirements. UCL’s wireless network (eduroam) provides you with secure web and email access in many locations across UCL. You can access IT training through scheduled sessions or online courses.

E-learning

UCL has a range of e-learning tools which provide access to lecture materials; communication with fellow students and tutors through online discussions; documents created collaboratively using wikis; web-based resources in text, video, audio and image formats; online tests and assignment submission.

UCL Library

UCL Library Services is committed to supporting the excellence of teaching, learning, research and clinical practice by providing a high-quality, integrated and innovative service. Facilities include a main library and 15 specialist subject libraries, with subject librarians available to advise you on getting the most from our resources. In addition to over two million books and subscriptions to around 12,000 journals, our electronic library services include access to web resources, e-books and e-journals, databases and past examination papers.

Museums and Collections at UCL

UCL’s diverse museums and collections hold a wealth of objects, artworks, specimens and images which form a resource of international importance available for academic research purposes. In addition, some collections are open to the public for general interest and enjoyment. The collections comprise:

- The Petrie Museum of Egyptian Archaeology
- The Grant Museum of Zoology
- The UCL Art Museum
- The Galton Collection
- The Institute of Archaeology Collections
- The Geology Collections
- The Ethnographic Collections
- The Science Collections.

Furthermore, the UCL Library Special Collections hold archives, rare books and significant manuscripts. UCL also houses the UK’s only Regional Planetary Image Facility, containing NASA images and data, returned from space missions.

Lunch Hour Lectures

Lunch Hour Lectures are an opportunity for anyone to sample the exceptional research work currently being undertaken at UCL.
UCL is in the top three UK universities for the volume of its research assessed as ‘world-leading’ (4*) in the 2008 Research Assessment Exercise and has also been independently ranked as the most productive research university in Europe (SIR World Report 2011).

UCL is a principal UK hub for doctoral training in engineering and physical sciences, with support for many new doctoral studentships each year.

Our students benefit from the lowest student to staff ratio (10:1) of any public UK university, enabling small class sizes and outstanding individual support (The Times, 2012) and no other UK university has more professors.

We have initiated an elite PhD training programme offering a total of 100 Grand Challenge Studentships in Biomedicine.
Doctor of Philosophy – PhD

Master of Philosophy – MPhil

Study for the MPhil and PhD, whereby students undertake a supervised research project, is offered in all UCL academic units. PhD students at UCL are required to register initially for the MPhil qualification; the upgrade procedure from MPhil to PhD registration is an important step in your programme. The MPhil/PhD is normally designed to extend over three years full-time or five years part-time. However, certain PhD degrees are offered on a four-year full-time basis; please see departmental entries for details. It is also possible to register with the intention of graduating with the MPhil degree.

The PhD is assessed by a written thesis of no more than 100,000 words. This thesis must demonstrate the candidate’s capacity to pursue original research in their field of study and represent a distinct and significant contribution to the subject, whether through the discovery of new knowledge, the connection of previously unrelated facts, the development of new theory or the revision of older views. It should show the exercise of critical judgement with regard to both the candidate’s own work and that of other scholars in the field.

The MPhil is assessed by a written thesis of no more than 60,000 words. This thesis must represent a contribution to the subject either through a record of the candidate’s original work or a critical and ordered exposition of existing knowledge.

Research students can be registered on a full- or part-time basis. Dependent on specific circumstances, sponsorship and research programmes it is also possible for a student to be registered as Studying at an Approved (partner) Institution and not resident in the UK.

Doctoral Training Centres

UCL has the largest allocation of prestigious doctoral training centres of any UK university. These multi-disciplinary centres bring together various areas of expertise and offer unique opportunities and a dynamic environment for PhD student training. UCL has nine centres funded by the EPSRC in:

- Bioprocessing Engineering Leadership
- Energy Demand Reduction and the Built Environment
- Financial Computing
- Mathematics and Physics in the Life Sciences and Experimental Biology
- Molecular Modelling and Materials Science
- Photonic Systems Development
- Security Science
- Urban Sustainability and Resilience
- Virtual Environments, Imaging and Visualisation

and one centre funded by the ESRC in:

- Social Sciences.

Further details of UCL’s EPSRC doctoral training centres can be found at: www.ucl.ac.uk/beams/phd/centres and UCL’s ESRC doctoral training centre at: www.ucl.ac.uk/shs/esrc

Doctor in Engineering – EngD

The EngD has a duration of four years full-time. It has been developed to provide business and technical expertise to complement doctoral-level research skills. About three-quarters of the programme is in the form of an industrial research project carried out within a company. The remainder of the programme involves taught courses in technical, business, managerial and personal skills.

Doctor of Medicine (Research) – MD(Res)

The MD(Res) is aimed specifically at individuals in clinical practice who wish to undertake a piece of supervised research associated with their employment. Students must be registered for a minimum of two calendar years either full-time or part-time before submitting a thesis for examination. The thesis, of no more than 50,000 words, may deal with any branch of medicine, surgery or medical or dental science. It must form a distinct contribution to the knowledge of the subject and afford evidence of originality by the discovery of new facts and/or by the exercise of independent critical thought.
Master in Philosophical Studies – MPhil Stud

This two-year research degree, offered in the Department of Philosophy, includes a significant taught component and represents the standard route for entry to a PhD in the department. It is examined by a thesis of 25,000 to 30,000 words plus three essays of 2,500 words each.

Choosing to undertake graduate research is a big decision and it is extremely important that you identify a research project that really excites you. Identifying the right supervisor is also critical to your success, and provides you with invaluable support and guidance from a leading academic in your field.

Before making an application you should:
• thoroughly research the options available through this Prospectus and online at www.ucl.ac.uk/graduate-research
• make contact with either the Graduate Tutor, or a specific academic member of staff in your chosen department, to explore the opportunities in more depth.

This process helps define your interests and aspirations, contributes to making your application successful, and also serves to ensure the identification of the best possible principal supervisor for your needs. You will also be assigned a subsidiary supervisor to offer you additional guidance. How often you meet your supervisors will depend on your area of study and the nature of your research.

The UCL Graduate School has developed guidelines and procedures to make clear the responsibilities in these relationships. Great care is taken to support you throughout your research degree programme.

Details of the application process are given on page 36.

Professional doctorates

Professional doctorates provide an education at an intellectual level equivalent to that required for the PhD. In addition to the substantial research component, examined by a thesis of 20,000 to 40,000 words depending on the qualification, the programmes also include elements of a practical, work-related and professional nature and taught components assessed by coursework.

Professional doctorates at UCL include:
• Child and Adolescent Psychoanalytic Psychotherapy (DPsychotherapy)
• Clinical Psychology (DClínPsy)
• Clinical Communication Science (Doctorate)
• Dentistry (DDent)
• Educational and Child Psychology (DEdPsy)
• Educational Psychology (DEdPsy)
• Paediatric Dentistry (DDent)
• Trauma and Orthopaedics (Doc Orth).

How will you be supported in your research study?

UCL is deeply committed to the quality and relevance of the graduate education we offer. The UCL Graduate School is responsible for ensuring that graduate students enrolled at UCL are provided with enhanced opportunities, support and facilities that will enable them to achieve their potential. A number of initiatives, described below, have been developed by the Graduate School, and these are continuously reviewed and refined. For further information see www.grad.ucl.ac.uk.

Code of Practice for Graduate Research Degrees

The UCL Code of Practice for Graduate Research Degrees outlines what you can expect from your supervisor and department, as well as your responsibilities as a research student. For details visit www.grad.ucl.ac.uk/codes.

Research Student Log

This is an online resource provided to all research students. It enables you and your supervisor to document your academic progress and skills development training. The Research Student Log is intended to be used in a flexible manner, to allow for appropriate research processes for different disciplines. Induction in its use is provided.
Skills Development Programme

The purpose of the Skills Development Programme, which is open to all research students at UCL, is to give you the opportunity to expand your generic research skills and personal transferable skills. These skills are intended to help in your research and also to enhance your employability. The courses are offered free-of-charge and are in addition to specific training offered by academic units and faculties.

The areas covered in the skills programme have been informed by the Researcher Development Framework (RDF) which sets out the knowledge, behaviours and attitudes of effective and highly skilled researchers appropriate for a wide range of careers. The skills programme provides courses from all areas of the RDF:

Knowledge and intellectual abilities
• Knowledge base
• Cognitive abilities
• Creativity

Personal effectiveness
• Personal qualities
• Self-management
• Professional and career development

Research organisation and governance
• Professional conduct
• Research management
• Finance, funding and resources

Communication, influence and impact
• Working with others
• Communication and dissemination
• Engagement and impact.

The training programme is regularly reviewed and updated to meet changing needs and new developments. Full details can be found on the Graduate School’s website at www.grad.ucl.ac.uk/skills.

Financial support

Research Projects and Conference Funds are awarded by the Graduate School to enable students to take up special opportunities to enhance their research. These have included, for example, presenting research at international conferences, and visiting archives or laboratories elsewhere.

Research Scholarships are offered to outstanding research students. See pages 28–31 for further details of scholarships and funding.

Competitions

The Research Poster Competition, Review Competition and Research Images Competition enable graduate students to exercise their skills by presenting their work to panels of academic judges, their peers and the public, as well as offering the chance to win generous prizes.

Facilities, academic societies and events

The Graduate School plays an important role in providing intellectual and social contacts between graduate students, enabling you to meet fellow students from different disciplines, countries and backgrounds. One element of this is provision of a dedicated Graduate Computer Cluster Area and a separate Graduate Common Room. You may also join one of the supported academic societies, which organise graduate seminars and social events.

Welcome events for new graduate students provide an excellent introduction to the services and facilities on offer, and to the activities of the Postgraduate Association of the UCL Students' Union.

Pei-Sze Chow
Scandinavian Studies MPhil/PhD

I chose UCL because I wanted to work with my supervisor, who has an interdisciplinary research profile and an excellent network of colleagues and fellow researchers across Europe. Being at the centre of a city with multiple research institutions also means I have access to an exceptional calendar of academic events. Furthermore, the emphasis on public engagement here at UCL is wonderful – there is a strong culture of ensuring that interesting ideas don't only reside within an ivory tower of academia, but are communicated to the wider public in innovative and engaging ways.

I intend to develop a career in academia, in the field of film and visual culture. This is a field which is interdisciplinary in nature and with many opportunities for collaboration with researchers in different fields. In less than a year, I have already shared my research with urban planners, architects, geographers, artists, Scandinavian specialists, linguists and fellow film studies researchers.

There is so much research activity both within and outside of the university context. Londoners are very passionate about their urban spaces, and there are lots of events and debates about the way people experience the city. As my research is focused on the cinematic representations of lived experience in transnational places, such events are particularly useful for me to speak with people from different backgrounds about their experience of cities, architecture, and film.

I've visited Denmark and Berlin on research trips, where I've initiated exchanges with researchers in the respective universities. I've also had the opportunity to be engaged with Public Engagement events, presenting my thoughts about architecture in a popular Scandinavian crime series on television.
TAUGHT PROGRAMMES

UCL’s taught graduate programmes are designed to meet a range of needs. Some, for example, may lead to professionally recognised qualifications fulfilling the requirements of particular career paths – either in continuation from a first degree or as a conversion programme. Others form a foundation for research degree study. All provide an opportunity for advanced study in your chosen field. Many programmes have been designed to offer flexibility, with part-time or flexible/modular learning options allowing you to combine your degree with professional or personal commitments.

Master’s programmes
Master of Arts (MA), Master of Science (MSc), Master of Architecture (MArch), Master of Clinical Dentistry (MClinDent), Master of Fine Art (MFA), Master of Laws (LLM)
These programmes normally extend full-time over 12 months, or part-time over two years. An increasing number are offered on a flexible learning basis over three to five years. Please see individual departmental entries for details. The programmes normally consist of taught elements between September and March, plus a research project or dissertation submitted at the end of the programme in September.

Master of Research – MRes
The MRes degree normally extends full-time over 12 months, starting in September, although certain MRes programmes may also be offered part-time; please refer to the departmental entry for your chosen programme. The degree has been designed to include structured and progressive research training which can be a foundation for doctoral study or a research career. This training in research techniques is combined with taught elements, plus a significant research component, which focuses in-depth on your field of study.

Short courses and continuing professional development
Academic units may offer courses from taught programmes and/or short courses and workshops to support continuing professional development. Please see page 14.

How will you be taught?
Taught programmes normally begin at the start of the academic year in September. As outlined above, the programmes will comprise taught elements, which will usually include some compulsory courses and a range of specialist options from which you make your selection. Assessment of the taught components is normally by unseen written examination and may also include assessment of coursework. Master’s programmes also usually include a research component which contributes significantly to your final result and is examined by report or dissertation.

Whilst our taught programmes undoubtedly involve intense, in-depth study, they are well supported and teaching is usually carried out in small groups, meeting frequently with academic tutors. You will have opportunities to analyse important issues, theories and approaches in seminar discussions with staff and fellow students, and individually with your tutor. Advice on the selection of options and, where relevant, the subject of your dissertation or research project, is readily available from your programme tutor.

Graduate Diplomas
For details of free-standing Graduate Diploma programmes in Archaeology (page 128) and Civil Engineering (page 76) please contact the relevant departments.

Distance learning
A small number of UCL graduate programmes can be studied on a distance learning basis, whereby all teaching is delivered online. Further details can be found at: www.ucl.ac.uk/graduate-distance.
How will you be supported?
Your programme tutor will provide essential support throughout your studies, including academic advice and, where appropriate, direct you to other support services available at UCL.

In addition, the UCL Graduate School aims to ensure that your studies are enhanced through access to a range of opportunities which enable you to gain maximum benefit from your time at UCL. For details please see [www.grad.ucl.ac.uk](http://www.grad.ucl.ac.uk).

Code of Practice for Graduate Taught Degrees
The UCL Code of Practice for Graduate Taught Degrees establishes high standards for your experience as a graduate student at UCL. The code outlines what you can expect from your programme director, project supervisor and departmental graduate tutor, as well as the responsibilities you will be expected to fulfil. For details visit [www.grad.ucl.ac.uk/codes](http://www.grad.ucl.ac.uk/codes).

Financial support
For details of funding available to taught graduate students see pages 28–31.

Skills Development Programme
The Graduate School’s extensive Skills Development Programme brings together a wide variety of workshops, training courses and online opportunities designed to help expand your generic research skills and personal transferable skills.

Courses available to taught graduate students cover areas such as IT skills, library skills, and career management and employability skills. Full details can be found on the Graduate School’s website at [www.grad.ucl.ac.uk/skills](http://www.grad.ucl.ac.uk/skills).

Facilities, academic societies and events
The Graduate School plays an important role in providing intellectual and social contacts between graduate students, enabling you to meet fellow students from different disciplines, countries and backgrounds. One element of this is provision of a dedicated Graduate Computer Cluster Area and a separate Graduate Common Room. You may also join one of the supported academic societies, which organise graduate seminars and social events. Welcome events for new graduate students provide an excellent introduction to the services and facilities on offer, and to the activities of the Postgraduate Association of the UCL Students’ Union.
Recognising that students may have different requirements and expectations, UCL offers a range of opportunities for you to enjoy the benefits of studying here under flexible or short-term arrangements, either as part of a degree programme for which you are enrolled elsewhere, or for professional and personal development.

Visiting Research and Graduate Affiliate Study

It is possible to study at UCL for a period of between three and 12 months as part of a graduate degree for which you are formally enrolled at another institution outside the UK, thus not aiming towards a UCL qualification.

Students who are registered for graduate degree programmes at universities overseas can, subject to any restrictions placed on them by their ‘home’ university, study at UCL and transfer credit earned to the home institution to count towards the award of their degree.

It is possible to study on this basis as a research student (Visiting Research Student) or as a taught graduate student (Graduate Affiliate Student).

To do so you will be required to meet the usual academic and English language requirements for the programme on which you intend to study.

We recognise that study in this way provides the opportunity and flexibility to extend and complement your degree programme at your home university.

Graduate Affiliate and Visiting Research Students are full members of the UCL community and benefit from all of the usual services and facilities afforded to full-degree students, including those offered through UCL’s Graduate School.

Graduate Affiliate Students

As a Graduate Affiliate Student you will be able to take individual courses from UCL Master’s or Postgraduate Diploma programmes. You will study alongside the full-degree programme students and be assessed, where possible, in the same way.

Individual modules can be identified by following the links on the subject entry pages (40–137).

Further information about the scheme, including advice on application, can be found at www.ucl.ac.uk/graduate-affiliate.

Adult learning and professional development

UCL has a range of short courses, summer schools and evening and daytime seminars, some designed primarily for your professional or personal development and some which can be followed for general interest. You may be eligible for academic credit if you study modules from certain postgraduate degrees, diplomas or certificates.

The growing programme of professional development courses is offered in a range of disciplines including architecture, archaeology, medicine, law, archive management and engineering.

Programmes which can be followed for general interest include Summer Schools offered by the History of Art Department and by the Slade School of Fine Art.

Details of programmes can be obtained from the relevant academic department.
LIVING
ACCOMMODATION

Finding suitable accommodation for the duration of your degree programme is a common concern. While we are able to offer UCL accommodation to a limited number of graduate students, the majority find renting privately allows them to select accommodation in a location which suits both their budget and tastes.

UCL accommodation

As a prospective graduate student you can apply to UCL Student Residences. Most rooms available in UCL Student Houses are offered for 51 weeks. Catered accommodation in UCL Halls of Residence and intercollegiate halls (owned by the University of London) are offered for 39 weeks. Rooms are also available during the summer vacation on request.

Most rooms in residences are single study-bedrooms although there are some shared rooms (two people). Accommodation for coupled students (married or in a civil partnership) and coupled students with children is very limited – please contact UCL Student Residences as early as possible for information. All residences are mixed sex.

Facilities in residences vary; please visit the accommodation section of UCL’s website to find out more about the provision of meals, kitchens, computer network points and communal facilities in each residence. By way of indication, prices for single study bedrooms range from £132 per week to £250 per week (2013/14 prices) depending on location and the facilities provided.

Accommodation fees include:
• room rental and use of communal areas
• gas and electricity charges
• insurance premium
• social events (in residences with a social committee).

You will be sent details of how to apply for student accommodation with your offer of a place to study on a UCL graduate programme. If applying for UCL residences for entry in 2013/14 you must submit your Student Accommodation Application by 30 June 2013 at the latest.

As accommodation for graduate students is limited, preference is given to overseas students requiring single accommodation. Such students are guaranteed an offer of accommodation on condition that: they have received and accepted an offer of a place on a degree programme of at least one academic year’s duration; they have neither lived nor studied in London before; and their accommodation application is submitted before the 30 June deadline.

Private accommodation

London offers a vast range of rented rooms, flats and houses. Although accommodation further from the centre of London (and UCL) tends to be cheaper, this will make travelling costs more expensive. Whatever your choice, you will have the opportunity to discover your own district within London, each one offering a distinct social and cultural character. Good transport links mean that the academic, cultural and social resources of this vibrant city are easily accessible.

If you are seeking private accommodation you are advised to contact the offices listed below for advice as early as possible, as you may need to arrive well in advance of the start of your programme to arrange a place to live. Students with families are strongly advised to secure accommodation before bringing their families to London.

Contacts

UCL Student Residences can provide information about UCL and intercollegiate residences and the application and allocation policy for places in residences. It also has noticeboards advertising flat-shares in private accommodation.

UCL Student Residences
University College London
117 Gower Street
London WC1E 6AP
WEB www.ucl.ac.uk/accommodation
EMAIL residences@ucl.ac.uk
TEL +44 (0)20 7679 6322
Open: Monday to Friday 9am to 5pm

University of London Housing Services (ULHS) has a large database with details of private apartments, houses and rooms, and can advise you about contracts and give assistance in negotiations with landlords.

University of London Housing Services
University of London Union
4th Floor
Malet Street
London WC1H 7HY
WEB www.housing.lon.ac.uk
EMAIL housing@lon.ac.uk
TEL +44 (0)20 7862 8880
Open: Monday to Friday 10am to 5pm, except Tuesday 11am to 5pm. During September only, the office is also open from 10am to 2pm on Saturday.
LIVING SUPPORT AND WELFARE

In aiming to provide you with an environment in which you will gain maximum benefit from your study, UCL is committed to ensuring you have access to high-quality confidential support, advice and welfare services. www.ucl.ac.uk/current-students/support

Tutors and supervisors
In most cases you will find that your research supervisor or departmental graduate tutor can provide direct help with any academic issues, and can also provide information about UCL’s more specialised facilities and services covering academic, practical and personal matters. UCL’s Dean of Students (Welfare) co-ordinates all aspects of student welfare, and has considerable experience in providing confidential help and advice. The Dean is supported by a team of specialist advisers including an Adviser to Women Students.

Student Psychological Services
www.ucl.ac.uk/studentcounselling
If you have a problem that is causing you to feel worried or distressed, you can book an appointment to talk, in confidence, with a professionally qualified counsellor.
In addition to one-to-one advice, the service also runs workshops on concerns common to many students such as dealing with stress, confidence-building and making presentations.

Student Support website
www.ucl.ac.uk/support-pages
This provides a helpful web portal to a vast array of information and advice, tailored towards issues and concerns affecting students. Once you have enrolled as a student and have a UCL computer identity the website provides access to an anonymous peer support forum.

Rights and Advice Centre
www.uclunion.org/get-advice
Based in the Students’ Union, the UCL Rights and Advice Centre is staffed by trained advisers and offers comprehensive information and advice on a wide range of issues including financial, legal and personal matters.

UCL Health Centre
UCL’s Health Centre is located on the Gower Street main campus. It houses both a National Health Service (NHS) General Practice providing a range of services for treating illness and maintaining health, and a Dental Practice.

UCL Day Nursery
www.ucl.ac.uk/current-students/support/wellbeing/day_nursery
UCL’s Day Nursery can accommodate 38 babies and children aged between three months and five years. There is usually a waiting list for places, and you are advised to contact the Nursery Manager as early as possible if you wish to apply for a place.

UCL Careers Service
www.ucl.ac.uk/careers
Please see page 24 for further information.

UCL International Office
www.ucl.ac.uk/international
Please see page 32 for further information.

UCL Student Centre
After you’ve arrived to take up your studies, our walk-in Student Centre can provide you with any help and guidance you might need, whether you’re from overseas (see pages 32–33) or from the UK. It also organises the International Students’ Orientation Programme (ISOP) – www.ucl.ac.uk/isop.
LIVING
DISABLED STUDENTS AND STUDENTS WITH MEDICAL CONDITIONS

If you are disabled, have dyslexia or have a long-term medical condition, UCL can offer a range of support services. For full details please visit our website (www.ucl.ac.uk/disability) or contact UCL Student Disability Services.

UCL is firmly committed to equality of opportunity and applicants with disabilities or medical conditions are considered on the same basis as all other applicants.

If you tell us about a disability on your application this will help us ensure we can meet your needs and will prompt us to send you more information about our services.

We are happy to arrange information visits to UCL so that you can find out more about the physical environment and facilities or discuss support arrangements with us in person. For details of our ‘Visit UCL’ scheme please see www.ucl.ac.uk/disability.

If you are a wheelchair user or are mobility-impaired it is important to visit, if you can, before you apply as the design of some of our older buildings may make access to some departments difficult.

Student Disability Services provides information and advice for all disabled UCL students. It organises support services such as note-taking, communication support, mentoring and study skills tuition. We can also assist students in applications for Disabled Students Allowances and other funds, and can provide assessments of dyslexia and other learning difficulties.

If you would like to discuss your individual needs or have questions about the support that might be available to you, please contact us at any stage of the application process.

You may also wish to inform your department or programme tutor or supervisor of any health problem when you join UCL and to discuss the possible impact of your condition on your studies. Any information you pass on will be kept strictly confidential.

UCL Student Disability Services
Registry and Academic Services
University College London
Gower Street
London WC1E 6BT
WEB www.ucl.ac.uk/disability
EMAIL disability@ucl.ac.uk
TEL +44 (0)20 7679 0100
LIVING
LEISURE AND SOCIAL ACTIVITIES

As befits a large community such as UCL, we provide our students with a wealth of services and facilities to meet their cultural, social, and leisure interests as well as their practical needs. In addition to those facilities outlined below, the UCL Graduate School organises welcome events for new students, and lends its support to a number of postgraduate societies catering for a range of interests. There is also a Postgraduate Association within the UCL Students’ Union which represents graduate students both on UCL committees and in the Students’ Union.

Sports and exercise facilities

UCL provides high-quality facilities and plentiful opportunities for everyone to get active, whether you are a competitive player of team sports, or interested in a yoga class to aid relaxation and suppleness. Run by the UCL Students’ Union, different venues cater for a huge number of activities, from personal fitness routines in the gym to football on outdoor pitches. You can also use the 33-metre swimming pool in the University of London Union building adjacent to UCL.

The Bloomsbury Fitness Centre, located on the main campus, houses a variety of equipment, including treadmills, cycle machines, crosstrainers and fixed resistance machines. Qualified and friendly instructors provide a free gym induction session and follow-up advice. The centre also includes a warming-up/stretching area, two squash courts, a dance studio and martial arts Dojo, and offers weekly fitness classes.

The Somers Town Community Sports Centre is just a short walk from UCL’s Bloomsbury campus. A variety of indoor sports are catered for including basketball, badminton, netball, football, volleyball, table tennis, short tennis and trampolining as well as fitness classes.

UCL Union Sports Clubs offer many different activities, including all those you might expect, such as football, tennis, hockey, athletics and nine different martial arts. There is also an array of clubs which have access to specialised facilities: rowing, horse riding, mountaineering and ice skating, for example. Dance, from ballet to salsa and hip hop, is also on offer. Competitive fixtures for team sports are held at UCL’s outdoor pitches and courts in Shenley, Hertfordshire. With provision for rugby, football, netball, lacrosse and cricket, there is a free bus service on match days.

A full list of clubs can be found at www.uclu.org/clubs-societies.

Julia Klippert
Molecular Medicine MSc

During my undergraduate studies I consolidated my interest in the molecular basis of disease; in particular, I am intrigued by the molecular pathways underlying neurological diseases. Following this I chose to continue my studies at UCL to broaden my knowledge of molecular biology. I was always fascinated by the complexity of neuroscience; however, in order to get a thorough and broad understanding of the molecular processes in the body, I decided to do my Master’s in Molecular Medicine rather than in a more specialised programme. In my opinion a broader knowledge may be more beneficial, as the body is not just composed of different separated units. To keep this in mind is thereby essential in order to fully understand a single disease, which may not even be connected to a particular research area in the first place. After my studies at UCL I intend to pursue my PhD, as I am determined to stay in the field of science. I really enjoy science and UCL helped me to get the best out of my passion.

I receive funding from my home country, Germany. The scholarship I receive is from one of the twelve biggest institutes which award motivated students with a scholarship throughout the duration of their studies. I highly encourage future students to apply for a scholarship in their home country as many institutions also support studies abroad.

The wide range of societies at UCL provide a great opportunity to meet new people from other courses and to get involved in UCL’s social life. I am in the Walking and Hiking club and I really benefit from it as I get to know English cities besides London. The trips on weekends are a great opportunity to get some exercise and to meet new people. Since I have been in London I have also met some very close friends, with whom I often meet for coffee and a chat.
UCL Bloomsbury Theatre

The Bloomsbury Theatre, owned and run by UCL, is a professionally equipped theatre located on the main campus with a seating capacity of over 530. It is reserved for student performances for 12 weeks each year. The remainder of the year it hosts professional performances – often focusing on innovative and contemporary productions – including stand-up comedy, drama, dance and music.

Societies

UCL Students’ Union runs over 140 societies which are open to undergraduate and graduate students alike covering politics, culture, the arts, religion, performance and campaigns. Full details of the individual societies and their contact details can be found at www.uclu.org/clubs-societies.

Music

You will find plenty of opportunities to develop your musical interests at UCL, whether through finding others who share your musical tastes, discovering new styles, or playing an instrument yourself. From DJing with the Urban Music Society, to performing with the Chamber Music Club or University College Opera, there is something to suit all tastes. Bookable rehearsal rooms are available on campus and in some residences.

Community activities

Many of our students are keen to employ their talents to contribute towards the benefit of others in their community. At the same time, such experiences can help skills development and bring satisfaction and enjoyment. There are opportunities to provide support and guidance to students in local schools as a Student Mentor (one-to-one meetings). Furthermore, UCLU’s Volunteering Services Unit co-ordinates opportunities to volunteer your time and effort to a huge range of activities, either on an ongoing or one-off basis.

Social activities, eating and drinking

Many opportunities exist for you to meet your fellow students and participate in UCL’s thriving community. Departments and postgraduate academic societies organise a number of events, such as visiting speakers and topic-based seminars, which allow for both intellectual stimulation and friendly discussion with staff and students. The Graduate School encourages and supports events which promote networking and socialising beyond the boundaries of your chosen discipline.

In addition to the sports, cultural and social activities described above, UCL aims to provide the essential services and facilities you will need. UCL’s buildings house a number of cafés, refectories and bars. There are shops on campus stocking everyday stationery and refreshments as well as specialist supplies such as artists’ materials.
LONDON
ACADEMIC AND CULTURAL

Studying in London provides a uniquely rewarding dimension to your graduate studies. A vast array of academic resources, cultural riches and social opportunities await you, together with the benefits of access to the professional and international networks enjoyed by a capital city which plays a significant role on the world stage.

Academic links and collaborations

UCL’s academic departments cultivate mutually beneficial links and partnerships with research institutions, professional bodies and employers. Such links extend internationally, nationally and locally, since London is home to a significant concentration of such organisations. In many subjects London and its resources are drawn upon as a topic for investigation or to illustrate issues under discussion.

Subject entries in this Prospectus provide information on the special associations UCL academic departments have with organisations and institutions in London. Through the Centre for Ecology and Evolution, UCL staff in life, medical and environmental science disciplines work with staff at the Institute of Zoology, located at London Zoo in Regent’s Park, and the Natural History Museum. The many museums and galleries of London provide students of history, archaeology and history of art with access to the objects, artefacts and works being studied.

Expansion, redevelopment and construction works are taking place all over London, with major projects including the creation of the 560-acre Queen Elizabeth Olympic Park (due to open in phases from July 2013), and the construction of Crossrail, a 74-mile stretch of railway connecting the capital to commuter areas east and west of London, due to open to passenger services in 2017. These activities provide fascinating case studies for students in fields such as geography, civil engineering, architecture and planning.

In subjects such as architecture and law, practising professionals provide teaching and guest lectures, and being a political science or law student in London means you are able to observe your subjects in action from the public galleries of the Houses of Parliament, Royal Courts of Justice and the Central Criminal Court (Old Bailey). Your tutor or supervisor, together with your own curiosity, will help you identify the resources of most relevance and interest to you. Outlined here, by way of introduction, are just some of the many facilities and resources available.

Elizabeth Pompa
Clinical and Public Health Nutrition MSc

I chose UCL for my postgraduate studies because of its excellent academic and teaching resources, which is reflected in its ranking of universities worldwide. This allowed me to secure funding for my studies. In addition, UCL provides you with access to many opportunities to network and to meet leading experts in your field of study, making this an invaluable opportunity to advance your academic studies and broaden your career opportunities.

As an international student, this experience has been rewarding but also challenging at times because of the need to adjust to a new country and culture, as well as the academic structure of the MSc. However, I could rely on my tutors and supervisors regarding any academic questions or issues I might have had and, since London is such a multi-cultural city, this also means that often you meet people from similar cultural backgrounds, who can help make the transition to a new country easier.

The advantage of living in London and UCL being so centrally located means many cultural and social activities are within easy reach. Museums and art galleries including the British Museum and the National Gallery are both free and close to UCL, with many restaurants, coffee shops and retail shops also nearby. I particularly enjoyed seeing plays and musicals being performed at West End theatres. UCL also offers many diverse societies to join; I was particularly interested in the dance society.

The UCL Students’ Union also organises many events and trips that allow you to explore London landmarks and nearby cities.
Libraries and archives
In addition to the UCL Library, you will also have access to the University of London Research Library Services, including the Senate House Library and the specialist libraries of the institutes of the School of Advanced Study. The British Library is only a ten-minute walk from UCL’s Bloomsbury campus; it holds more than 150 million items, including books, manuscripts, maps, newspapers, magazines, prints and drawings, music scores and sound recordings, and provides a specialist service for academic researchers.

London is also home to many specialist libraries and archives, including the National Archives at Kew and the London Metropolitan Archives. In these collections you can access unique and detailed materials relevant to an enormous range of interests, from the history of medicine to slavery and child labour, British film, art and architecture to psychoanalysis, to name but a few.

Museums and galleries
Many nationally and internationally renowned collections are housed in London’s famous museums and galleries, which include the British Museum, Science Museum, Natural History Museum, Victoria and Albert Museum, National Gallery, National Portrait Gallery and the Tate Modern and Tate Britain galleries. UCL maintains good relations with many of London’s museums and galleries, and their collections form a resource for research across a range of fields, as well as professional insights for students undertaking degrees in museum and heritage studies, and conservation. Of course, the exhibits and collections are also open to the public for general interest.

Professional institutions and societies
Many of the UK’s professional societies and institutions have their headquarters in London; examples include the Bar Council, British Medical Association, Royal Academy of Engineering, Royal Institute of British Architects, Royal Town Planning Institute, Royal Historical Society and Royal Geographical Society. Each offers services and support to professionals within its own field, but may be slightly different in its operation and administration. In general, however, these institutions can provide opportunities to attend lectures, debates and events, to meet with prospective employers, and to access specialised library resources.
LONDON
SOCIAL AND LEISURE

The diversity of London is one of its major strengths and attractions. Whatever your interests, you will find resources, activities and facilities available, together with many opportunities to extend your experiences by trying something new.

Performing arts
London is well known for its many theatres, cinemas and music venues. Students of literature, both in English and other languages, will find the dramatic works of their studies brought to life at theatres such as the National Theatre and the Barbican, together with authentic recreations of Shakespearean performances at the Globe. The British Film Institute screens films at both the South Bank and IMAX, and holds the National Archive of moving image material, as well as a specialist library, providing particular benefit to students of film and cultural studies.

Sports, parks and outdoor activities
London has facilities for an enormous range of sporting activities, whether you wish to participate or be a spectator. UCL’s own sports facilities are described on page 18. Internationally famous venues, such as Wimbledon for tennis, Twickenham for rugby, Lord’s and the Oval for cricket and Wembley for football, are located in the capital, as well as countless other sports arenas, pitches, clubs and centres. Central London boasts some of the finest parks and green spaces available in any city worldwide. Some are equipped with courts and pitches for sports, many are used as venues for musical and community events, and all provide the opportunity to enjoy peace and tranquility as a break from the bustle of the capital’s streets.

Events, socialising, leisure and shopping
London, by day or night, is animated and energetic. With a population embracing so many cultures and interests, London hosts a huge number of specialist events and celebrations. On such occasions parks, shopping streets and squares are given over to processions, performances and stalls. The many and varied cultures of the London population also provide you with a choice of interesting and diverse cuisines, at a range of prices, when dining out. If you are planning a night out with friends, restaurants, cafés and bars are plentiful, and you have a huge choice of clubs for music, dancing and comedy. Shopping in London can range from large department stores to local farmers’ markets, and whether you simply require basics such as food, or wish to find boutiques or supplies for a hobby, your needs will be met.

Vincent Merrone
Central and South-Eastern European Studies MA

“Outside of studying I enjoy music concerts, dancing and jogging. I have attended more music concerts from world-renowned artists in this one year in London than I have living anywhere else in the world. The amount of music venues and talent that passes through here is enormous. London also provided a wide variety of places to dance. Venues that play swing, jazz, pop, rock, and whatever one can dance to are available. London has also been a wonderful place to jog in, not merely because of the parks. Jogging in neighbourhoods and around Camden (where my accommodation was located) allowed me to see the wonderful buildings and style London has to provide.

I have lived in UCL’s Hawkridge House. It is located in a nice area with stores for shopping, bus routes and Tube stations nearby. The facilities at Hawkridge were up to standard and provided value for money. The staff were helpful and friendly and I benefited by living in a comfortable setting.

Being at UCL has provided me with a springboard into future goals.”
London is well served by transport links. Not only does this make it easy to get around the city, but there are also connections to other parts of the UK, to Europe and to the wider world. UCL’s main campus is located in the Bloomsbury district in the centre of London (see map – inside front cover).

### Travelling to UCL

There are easy connections to UCL from London’s global hub airports at Heathrow, Gatwick and Stansted. Luton and London City airports are also readily accessible. London’s extensive public transport system is convenient and easy to use.

To plan your journey to UCL, including walking and cycle routes, call Transport for London (TfL) on 0843 222 1234 or try their excellent Journey Planner at [www.tfl.gov.uk](http://www.tfl.gov.uk). National Rail Enquiries can be contacted on 08457 484 950 or at [www.nationalrail.co.uk](http://www.nationalrail.co.uk).

#### London Underground (Tube)

[www.tfl.gov.uk](http://www.tfl.gov.uk)

The closest Tube stations to UCL’s Gower Street site are Euston Square (Hammersmith & City, Metropolitan and Circle lines), Warren Street (Northern and Victoria lines), Euston (Northern, Victoria and Overground lines) and Russell Square (Piccadilly line).

#### Buses

[www.tfl.gov.uk](http://www.tfl.gov.uk)

UCL’s Gower Street site is served by many bus routes. Buses travelling from north to south stop in Gower Street, immediately outside UCL’s main gate, while those travelling from south to north stop outside Warren Street station, about five minutes’ walk from UCL. Services to these stops include route numbers: 10, 14, 24, 29, 73, 134 and 390.

### Getting around London

Although there is plenty to do at UCL, you will want to explore London and all that this exciting and vibrant city can offer. London’s excellent public transport system is the easiest way to travel. As a student in London, you can benefit from the Transport for London/National Rail Student Oyster photocard scheme. This offers 30% off all adult travelcards and bus passes valid for a week or more. Full details are available at [www.tfl.gov.uk](http://www.tfl.gov.uk).

#### Walking

[www.walkit.com](http://www.walkit.com)

With many of London’s key public spaces now traffic-free, you can easily walk right through some of the UK’s finest public squares and architecture as part of your daily routine.

#### Cycling

[www.tfl.gov.uk/cycling](http://www.tfl.gov.uk/cycling)

Take advantage of London’s Cycle Hire scheme. Safe cycle routes are provided across London and cycle maps are available from Transport for London, making cycling the quicker, cheaper and healthier way to travel.

### Travelling beyond the UK

#### National Rail

[www.nationalrail.co.uk](http://www.nationalrail.co.uk)

London has many mainline rail stations. Most of these are a short journey from UCL, with the stations at Euston, King’s Cross and St Pancras being within walking distance. Trains from London serve destinations across the UK. By being flexible and booking well in advance you will find rail travel offers excellent value for money.

#### Coaches

[www.tfl.gov.uk/coaches](http://www.tfl.gov.uk/coaches)

Coaches from London operate to most parts of the UK, many offering direct and very economical services.

#### Eurostar

[www.eurostar.com](http://www.eurostar.com)

The London Eurostar terminal is at St Pancras International, a few minutes’ walk from UCL. This offers you direct high-speed rail connections to Paris (2hrs 15 mins) and Brussels (1hr 50 mins), with onward connections to many European destinations.
Students choose to enter graduate study for a myriad of different reasons. Whatever their reason for undertaking their degree programme, most will find that their qualification will help them achieve their career ambitions. Given that 87%* of all UCL graduate students (taught and research) enter employment or further study directly on completing their time at UCL, this is not just a vague hope but a reality.

Opportunities

For some graduate students there is a direct link between their qualification and the employment they choose to enter. Recent examples include Museum Studies graduates who have become curators and Computer Science graduates who have become software developers. Obviously a high number choose to continue with research-orientated careers, both within and outside academia.

However, some graduates pursue careers that are not directly linked to their subject knowledge but are possible due to the high level of skills developed during their study. Recruiters are becoming increasingly aware of the talent pool of individuals with postgraduate qualifications who have highly developed research, analytical and written communication skills, and many sectors are actively recruiting among them for a range of business roles.

How we can help

No matter what your reason for undertaking further study and your career ambitions, UCL Careers Service offers a full range of services to suit your needs.

- We offer a full programme of employer-led events specifically aimed at graduate students. These events include postgraduate employer forums and networking events and a range of employability skills development workshops, covering topics such as Commercial Awareness, Networking, and Surviving Assessment Centres.
- UCL Careers Consultants run Master’s and PhD-specific programmes which provide support and advice on career planning, applications and interviews.
- The UCL Careers Information Library has a wealth of information on both UK and international careers and Careers Consultants can assist by offering global information and advice. This includes specific support and information for international graduate students who wish to seek work in their home country, for those who wish to apply to work in the UK through the various work permit schemes available or for those who wish to work abroad. Many UCL graduates choose to pursue their careers abroad. Recent examples include a Construction Manager in Australia, an Architect in Denmark, an Economic Consultant in Canada and an Environmental Conservationist in Indonesia.
- Around 40%* of UCL graduate students choose to begin a career in academia on completing their qualification. Students can attend workshops such as Planning Your Academic Career, Making Academic Applications and Academic Interviews. In addition, some students begin international research careers. Recent destinations include postdoctoral work in Australia, France, Kenya, Japan and the USA. Experienced Careers Consultants can offer advice on academic career planning in the UK and internationally.

* Data taken from the HESA Destination of Leavers from Higher Education Survey 2011
Services available to graduate students from the UCL Careers Service

- Personal consultations to discuss future plans, or help with writing a CV or filling in application forms, including PhD-specific appointments
- Practice interviews and mock assessment centre exercises with individual feedback
- Bespoke careers adviser-led workshops for graduate students, covering Applications and Interviews, Planning Your Academic Career and Careers Beyond Academia
- Bespoke employer-led events for graduate students including career skills development workshops, networking events and forums. We also run Master’s Quickfix sessions which cover all aspects of career planning and applications including finding and funding a PhD
- Job vacancy information ranging from London-based employers to those across the UK, as well as many international opportunities. Some Research Councils require PhD students to undertake a work placement. The UCL Careers Service can provide support in managing this requirement
- An extensive Careers Information Library, containing UK and international reference and take-away materials on the full range of career sectors, employer information, job hunting techniques and post-graduation gap year opportunities as well as postgraduate-specific help-sheets such as Research Careers Beyond Academia and Academic Careers Beyond Research
- A comprehensive website, email careers advice and an email job vacancy and event notification system.

In addition to the above, UCL Careers Service also runs a vast number of careers events which are open to all students. For further details, see www.ucl.ac.uk/careers. UCL Careers Service is part of The Careers Group, University of London. This means that UCL students are eligible to attend events hosted by The Careers Group: www.careers.lon.ac.uk.

The Alumni Network – a lifelong communication

When you join UCL as a student you begin a lifelong connection with us and our 150,000-strong global community of former students.

Connected through careers and friendships, our graduates are UCL’s finest ambassadors who work hard to enhance UCL’s reputation as a world-leading organisation.

Since UCL’s foundation in 1826, many of our graduates have gone on to lead the field in their chosen careers. Notable former students include inventor Alexander Graham Bell, journalist and BBC Middle East Editor Jeremy Bowen and film director Christopher Nolan (Inception, Batman Trilogy) – so you’ll be joining an illustrious group.

UCL alumni provide ongoing support throughout your time as a student, and after you leave UCL, by:
- offering help and advice through careers mentoring and internships
- providing support for international students through our network of global alumni groups
- funding student scholarships and bursaries, along with student clubs and societies.

You’ll be invited to attend our award winning professional networking series and will receive an Alumni Benefits Card bringing you exclusive deals. You’ll also continue to have access to your UCL email (free, for life) and will be able to attend a host of social occasions.

Find out more about your lifelong relationship with UCL at: www.ucl.ac.uk/alumni

The employer’s view

“UCL is second to none in its proactive and wide-ranging approach to bringing employers and students together through events and other activities, and is ceaseless in its drive to enhance the skill set and employability of its graduates. This makes engaging with UCL a tremendously worthwhile partnership.”

Philip Wilson
Chief Psychologist
Civil Service Fast Stream

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2011 Postgraduate destinations*

- WORK 67.7%
- WORK AND STUDY 4.4%
- STUDY 14.7%
- UNEMPLOYED 7.4%
- NOT AVAILABLE/OTHER 5.8%

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STUDENT FINANCE
FEES AND EXPENSES

Financial matters are a concern for all students, and careful planning is important. You will have to pay tuition fees for the programme you are undertaking and will need money to cover your living expenses. These pages outline both the expenses you will incur and some options for funding your studies. You are advised to investigate any sponsorship and scholarship opportunities as early as possible.

Tuition fees
www.ucl.ac.uk/current-students/money

UCL’s tuition fees are set annually and cover registration, tuition and supervision for each academic year, or part of an academic year that you are enrolled. Tuition fees are subject to an annual increase, which should be accounted for when you are applying for a programme. Details about fees for individual programmes can be found on the UCL website given above.

Fees are normally quoted at the full-time rate, except where the programme is offered part-time or flexible/modular only. Fees for part-time study are normally charged at approximately half the full-time fee. Fees for flexible/modular study are charged pro-rata to the appropriate full-time Master’s fee taken in an academic session.

Research programmes at UCL may be subject to an Additional Fee Element (AFE). The AFE is levied to cover additional costs related to consumables, equipment and materials etc. which are not included in the composite tuition fee (i.e. the fee listed in the fees table) and is, therefore, applied to a minority of programmes. As each PhD programme is unique in its nature, the AFE is calculated on a student by student basis and is determined by the supervisor. The AFE is banded into four fixed amounts: £1,000, £2,500, £5,000 and £10,000, with one further band for variable sums over £10,000. Please contact your supervisor directly for advice on whether or not your programme will incur an AFE. Please note that you will be informed of any AFE you will be required to pay in the offer letter.

(NB. At some UK institutions the AFE may be referred to as “bench fees”.)

Tuition fee classification

The level of fee charged will depend upon whether you are what is termed a UK, EU, Overseas or Islands student. It is likely that you will already know in which category you fall but this will be confirmed if you are offered a place at UCL.

Your fee classification plays no part in deciding whether or not to offer you a place to study at UCL.

Each student’s tuition fee classification is determined in accordance with the 2007 Education (Fees and Awards) (England) Regulations (SI No. 779) and subsequent amendments, and is based upon information that you have provided on your application.

Further details of how tuition fee status is determined, and who to contact if you wish to query the decision on your fee status classification, can be found at www.ucl.ac.uk/current-students/money.

Paying your tuition fee

For full-time and part-time students your tuition fee will normally be quoted on your offer letter. For flexible/modular students, fees will be assessed on a pro-rata basis according to the number of credits selected, therefore a fee will not be quoted on your offer letter. Information relating to fees and how to pay them is available at: www.ucl.ac.uk/current-students/money.

You must pay at least 50% of your tuition fee before or at enrolment to be fully enrolled, or provide a letter of sponsorship indicating who should be invoiced for your fees. Students can pay in two equal instalments; the first before or at enrolment, and the second by 1 February 2014. No charge is made for paying in instalments, and no more than two instalments are permitted. No discount is offered for paying in full at the start of your programme.

Specific enquiries relating to fees should be directed to:
UCL Fees and Credit Control Section
EMAIL fees@ucl.ac.uk
TEL +44 (0)20 7679 4125 or +44 (0)20 7679 4128
Living expenses

In addition to paying your tuition fees you will also need to consider how you are going to meet your living costs while you are studying. Funds will be required to cover the costs of your accommodation, food and travel as well as other costs associated with your studies, such as books, and everyday life, such as clothes and entertainment.

Estimates of how much money you will need may vary considerably, as the lifestyles and circumstances of individual students differ. For a single, graduate student studying for a calendar year, an estimated average would be in the region of £245 per week. This should be considered only as a guide; some students may find they can live within this allowance, yet others may find it insufficient to meet their expectations.

Students who have a dependent spouse and/or children will require a significantly greater amount. All students should be aware that they will probably incur initial expenses such as a deposit for accommodation and the purchase of books. Some international students may also need to buy clothing suitable for the British climate.

Funding your studies

It is important to consider at an early stage how you will pay your tuition fees and fund your living costs during your graduate studies. There are a large number of funding schemes which support graduate students, including scholarships, studentships, awards, bursaries, grants and loans. Furthermore, some students are fortunate to be sponsored by their employer, while others may combine part-time study with part-time work.

We aim to describe below some of the major schemes for graduate study and research at UCL, although this information should not be considered to be exhaustive. You are advised to refer to the websites and publications of both UCL and the other organisations named here for detailed and additional information.

Due to the fact that publications describing awards (including this Prospectus) are produced many months in advance of the start of the academic year to which they apply, please be aware that published details of awards, including application deadlines and procedures, may be subject to change.

Students requiring funding are advised to investigate potential sources of funding at least 12 months before the relevant academic year so as not to miss scholarship application deadlines.
STUDENT FINANCE
SCHOLARSHIPS AND AWARDS

Scholarships are allocated primarily on the basis of academic merit, achievement and potential, although they may take into consideration financial circumstances. A comprehensive overview of funding opportunities, including details of eligibility requirements, value and benefits, application procedures and deadlines, selection criteria and contact information for specific funding schemes for study and research at UCL is provided on the website at www.ucl.ac.uk/scholarships.

A significant number of UCL graduate students are in receipt of funding provided by UCL and its academic units, the UK Research Councils, the British Government, various charitable foundations, international governments and organisations, as well as commerce and industry.

Competition for all scholarship funding is intense, and where scholarships are primarily awarded on the basis of academic excellence, applicants are normally required to have or to expect to achieve the equivalent of a first-class UK Bachelor’s degree.

International students should initially contact their local British Council office, British Embassy, British High Commission or their own Ministry of Education for general advice on funding available for study in Britain.

Scholarships for students from any country

UCL Graduate Research Scholarships (15 scholarships)
These scholarships for MPhil/PhD studies cover fees at the standard UK/EU rate and a living allowance for the standard duration of the programme.

UCL Graduate Research Scholarships for Cross-disciplinary Training (four scholarships)
These scholarships provide for an additional year within PhD studies to acquire skills and knowledge from another discipline to be applied to the MPhil/PhD research. Scholarships cover fees and a living allowance for one year.

Frederick Bonnart-Braunthal Scholarships (two scholarships)
These scholarships provide a stipend of £15,000 for up to three years of MPhil/PhD research into the nature of religious, racial and cultural prejudices and ways of combating them.

UCL Global Excellence Scholarships (eight graduate scholarships)
These scholarships provide a one-off award of £5,000 to the academically most outstanding candidates taking up graduate degree studies at UCL.

UCL Alumni Scholarship
This scholarship provides a total of £10,000 toward fees and maintenance for full-time Master’s studies in any UCL subject area to a student who would find it difficult to pursue postgraduate study without financial assistance.

Gay Clifford Fees Awards for Outstanding Women Students (five awards)
These scholarships provide a total of £2,500 towards fees for prospective female Master’s degree students in UCL’s Faculties of Arts and Humanities or Social and Historical Sciences.

Departmental scholarships, studentships and demonstratorships
See entry on page 31.

Scholarships for students from specific countries

Santander Master’s Scholarships (10 scholarships)
These scholarships (funded by Santander Bank through the Santander Universities programme) provide a total of £5,000 for full-time Master’s studies in any UCL department. Candidates must be from specific countries in Latin America or from Spain or Portugal.
Further awards for students liable to pay fees at the Overseas rate

UCL Overseas Research Student (UCL-ORS) Awards (40 awards)
These awards enable Overseas students to pursue MPhil/PhD studies at UCL and provide fee awards equivalent to overseas tuition fees minus UK/EU fees, for up to three years of a PhD programme. UCL will cover the UK/EU fee element for UCL-ORS recipients who do not have any other fee funding.

Commonwealth Shared Scholarship Scheme (3 awards)
These scholarships enable students from Commonwealth countries to undertake selected one-year taught Master’s programmes. The scholarships provide tuition fees, maintenance stipend, economy return airfare and other agreed allowances.

Further awards for students liable to pay fees at the
UK/EU rate

Research Council Studentships
Studentships funded by the UK Research Councils are generally intended for UK/EU students and include payment of tuition fees and, for UK students only, a stipend for living costs. For further information and links to the seven UK Research Council websites go to www.rcuk.ac.uk, or contact the relevant UCL academic unit.

SPDC Niger Delta Postgraduate Scholarships (3 awards)
These scholarships enable students from the Niger Delta states to undertake a one-year taught Master’s in certain engineering programmes at UCL. The scholarship provides full tuition fees and a 12-month living allowance, return airfare and additional allowances.

Temi Ogunye
Legal and Political Theory MA

“...I chose UCL for three main reasons: having studied for my undergraduate degree in Manchester, I wanted to complete my Master’s back home in London; UCL has a very strong international reputation; and the structure and content of the MA looked excellent.

I’m interested in political theory because I’m interested in argument, and there are few things more worth arguing about than politics. The MA has allowed me to broaden and deepen my interest in and knowledge of issues in political theory, particularly those relating to global justice and methodology. I hope to find a job in politics, perhaps working for a think-tank or NGO, but I am also considering studying for a PhD at some stage.

I received the full AHRC grant for my Master’s, which includes payment of the fees and a maintenance stipend. Applying for it involved providing a more developed account of my research interests in my application form and indicating that I wanted to be considered for funding. I had an interview and luckily was awarded the funding. I am very, very grateful because I wouldn’t have been able to do the course this year without receiving funding.”
UCL Graduate International Partnership Scholarships

UCL co-operates with numerous UK and international organisations, to offer co-funded scholarships to students from specific countries or regions for graduate study or research at UCL.

Organisations include:
- Center for International Programmes Bolashak scheme (students from Kazakhstan)
- Colfuturo (students from Columbia)
- CONACyT (students from Mexico)
- China Scholarships Council (students from China)
- MBI Al Jaber Foundation (Arab residents of the Middle East/North Africa)
- Petroleum Technology Development Fund (students from Nigeria)
- Said Foundation (students from Iraq, Jordan, Lebanon, Palestine or Syria)
- Royal Thai Government Scholarships (students from Thailand).

Other scholarship schemes

In addition, there are many other schemes such as British Chevening Scholarships, Commonwealth Scholarships for students from Commonwealth countries, Marshall and Fulbright Scholarships for students from the USA, and scholarships funded by organisations such as the European Commission, World Bank and Asian Development Bank. Prospective students are advised to contact these organisations for further details.

Student loans, grants and bursaries

Loans, grants and bursaries are funding sources which normally take account of an applicant’s financial circumstances. Further information is given on the website above. UCL administers applications for Professional and Career Development Loans and Access to Learning Funds (for UK/EU nationals residing in the UK), Federal loans for students from the US and Canada, and also provides certification required for some other student loans. 

The desire to study in an academic and research powerhouse of worldwide renown inspired my choice of UCL. I wanted to experience a world-leading, first-class learning environment which I believed would propel me to greater heights in my professional and academic endeavours. Drug discovery is an exciting field of study, providing me with an opportunity to exercise the knowledge and skills I’ve gained in my previous studies in basic chemical and biological sciences. Past, current and emerging diseases are a constant concern, so the need for discovery of drugs and new ways of tackling diseases remains greatly important. After my MSc, I look forward to pursuing a PhD in an area of drug discovery; I have a vision of becoming a distinguished academician and medical researcher. 

As a Commonwealth Scholar, the UK Department for International Development pays for my tuition fees and the UCL School of Pharmacy pays for my upkeep, return flight tickets, travel and thesis allowance. The offer is enviable and the experience rewarding; I can never appreciate enough the fact of being granted such an opportunity. 

As an international student from Kenya, my experience has been fulfilling. The International Office was very helpful in planning my travel to the UK, they offered advice on where to stay and where to go if I needed help. After settling in – which interestingly takes a very short time, as the environment is very friendly – you even forget that you are an international student. 

During my studies, I have had the opportunity to visit some well-respected pharmaceutical companies including MSD and GSK. It was very enlightening to interact with the researchers and scientists in these companies. I also attended a workshop on disclosures of new drugs and chemicals at the National Heart and Lung Centre in South Kensington.
Combining study and work

For some students, combining work and study is an integral part of their degree; for others, it is simply a way of ensuring that they have sufficient financial resources. For example, both the EngD degree and MD(Res) degree are designed to allow participants, if they are currently employed, to continue to work whilst furthering their expertise within their chosen field. The research project for such students will focus respectively on an industrial or medical issue or problem they encounter in their normal line of work.

As noted above, some students secure subject-specific studentships or teaching assistantships which help meet financial needs and provide experience of working in academia. Other students may be able to combine part-time work and study in related, or very different, spheres.

Furthermore, there are opportunities both at UCL and beyond, for part-time, short-term or casual work. JobShop, run by the UCL Students’ Union, maintains a database of such opportunities. Please note that students from outside the European Economic Area (EEA) and Switzerland may be restricted from undertaking employment. It is important to ensure that your academic studies do not suffer because of your employment commitments. You will need to be certain that you are available for the timetabled elements of your studies, and that you allocate sufficient time each week for any reading, coursework, research or assignments. Your supervisor or tutor will be concerned to ensure that you achieve your best in your academic work, but will also be accustomed to the fact that graduate students may have commitments, such as work and family, which they must also fit into their lives.

Subject-specific scholarships, studentships and demonstratorships

A number of UCL academic units award their own scholarships; these schemes are listed on the UCL scholarships website and further details are available from the relevant unit.

In addition, subject to the availability of funds, some academic units award studentships and teaching assistantships. Subject-specific studentships may range from assistance with fees to full awards equivalent to Research Council studentships. Examples include 100 UCL Grand Challenge PhD Studentships in Biomedicine and 390 UCL PhD places funded through the EPSRC’s doctoral training centres. Teaching assistantships usually cover tuition fees at the UK/EU rate and provide a stipend for living costs, in return for teaching or demonstrating. This can be both a useful source of financial support, and an opportunity to gain some experience of teaching and an insight into an academic career. For further information contact the relevant academic unit at UCL.
INTERNATIONAL STUDENTS

Education and research are activities which transcend national borders, cultures and languages. By choosing UCL you are opting not just for one of the world’s top universities, but for an institution with a distinct ethos and mission in which teaching, learning and research are informed by the global context in which we operate. UCL is an institution which strives for international excellence in all areas of academic activity; an institution which, in accordance with its founding principles, aims to share this experience with those who can most benefit from it, regardless of their background or circumstances.

Nearly 50% of UCL’s graduate students come from outside the UK, and our academic staff come from more than 100 different countries. UCL has international research links, collaborations and strategic partnerships with universities, governmental bodies, funding agencies and the commercial sector that contribute to a unique global network of knowledge provision and opportunity.

By studying or conducting research at UCL, you will not only be part of this vibrant, cosmopolitan and challenging environment, but also actively contributing to the further development of UCL’s vision to be a truly global university.

Applications

The International Office is here to assist you with any advice or information you may need about applying to and studying at UCL. Members of UCL staff regularly attend events overseas to provide information and advice about UCL and you can find out if we will be visiting your part of the world at www.ucl.ac.uk/international.

Country specific information can also be found by following ‘Country Information’ links from the same website; these pages contain an overview of entry requirements for each country as well as relevant funding opportunities, student societies, in-country contacts and other relevant information.

UCL’s Student Centre is also able to give guidance on the Points-Based Immigration System (PBIS) and any visa issues, as well as the Academic Technology Approval Scheme (ATAS), which applies to international students from outside the European Economic Area (EEA) who hold offers to read for research and some Master’s degrees in specific subjects (see Admission information, pages 34–37).

English language support

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency. Details of acceptable qualifications and the standards required are given on page 35.

The UCL Centre for Languages & International Education (CLIE) offers a range of approved English language courses, including pre-sessional courses of varying length and a one-year Diploma. CLIE also runs part-time in-sessional English language courses for students enrolled at UCL. Courses available include the two-term in-sessional EAP course for broader academic English support as well as separate courses specialising in academic speaking, pronunciation, academic reading or separate academic writing skills courses for students on graduate taught or research programmes.

Further information can be found at www.ucl.ac.uk/clie.

Ying Zhang
Statistics MPhil/PhD

UCL’s Department of Statistical Science has had a strong reputation for research since its establishment in 1911. It produces research that has strong connections to a wide range of fields such as the environment, medical research, operational research, and finance.

I am studying multivariate calibration for the near infrared spectrum. I like the logic and the consistency inside the statistics. It is interesting to see how statistical science is used in various fields and how it can help solve problems in practice. I am planning to be a researcher after I complete the PhD.

UCL provides excellent library and IT services. As a research student, I need to gather a large amount of information and to read journal articles. The online library service is a powerful tool that provides easy access to electronic resources and databases, and it is convenient to use no matter where I am.

Studying and living in London brings great opportunities to participate in all kinds of events. I enjoy exploring the brilliant international cultures. I meet friends from all over the world here and we exchange ideas and share experiences. Life in London has broadened my horizons and helps keep me up-to-date with developments across the globe. In my spare time, I go to museums and galleries to see exhibitions. The Natural History Museum is one of my favourites. I enjoy watching world-class performances in the Royal Opera House and Royal Albert Hall. I also enjoy going on picnics or countryside walks at the weekend with my friends.

As an international student, I’ve found the UCL environment to be friendly and helpful. In 2009, I applied for the UK Student Visa under the batch scheme of the International Office with the help of the UCLU Rights and Advice Centre. With their professional service, my visa was successful and I appreciated it.
Fees and funding

UCL offers a range of scholarships and awards for which international students can apply. Further information is available on page 28 and also on the website at www.ucl.ac.uk/scholarships. UCL also attracts students who have received funding from their own government or other external sources, so prospective students are advised to check with the Ministry of Education in their own country or from the British Council for information about other potential funding opportunities.

General tuition fee information is provided on page 26 of this Prospectus.

Support before and after your arrival

Embarking on a graduate degree programme is both an exciting and challenging experience. There are extra challenges in travelling to another country to do this. We aim to make the transition as smooth as possible for you and the International website is a comprehensive source of information on matters such as visas, entry clearance, enrolment, tuition fees and other practical advice to help you prepare for your time in the UK.

A free orientation programme, held immediately prior to the start of the academic year, is designed to help introduce you to UCL and London and the comprehensive range of support services available. A similar welcome event is held a few days later for all students, to provide information about the facilities offered by the Graduate School, the Skills Development Programme, the Postgraduate Association of the UCL Students’ Union, and related graduate activities, social events and clubs.

During your time as a student you will have access to all of the academic and welfare support services described in this Prospectus. This includes the National Health Service (NHS), under which international students on programmes lasting more than six months qualify for free treatment. The Student Centre remains available as a source of support and advice throughout your stay at UCL, providing help on a wide range of issues like opening a bank account, working in the UK during your studies and visa renewal.

The UCL Careers Service offers dedicated support for international students, including advice and guidance on employment in your home country and routes into employment in the UK. You can find out more on pages 24–25 or at: www.ucl.ac.uk/careers/international.

For more information please visit our website www.ucl.ac.uk/international.
ADMISSION TO UCL

UCL is keen to attract graduate students who will benefit from and enhance our research and learning environment. Before applying, we encourage all applicants to research their options thoroughly. You need to consider what you hope to gain and learn from your studies at UCL. Please take time to read the Prospectus and to visit UCL’s website.

All prospective applicants are welcome to contact the academic units to discuss their potential application. Research applicants are particularly encouraged to speak with the relevant academic unit regarding areas of interest and potential supervisors. Please ensure that you have checked the academic and, if appropriate, English language entry requirements for the programme you wish to study before submitting your application. Please also be mindful of any application or funding deadline that might govern your application submission date.

Academic entry requirements
Specific entry requirements are provided on individual subject pages (40–137). UCL’s standard minimum requirements are given below.

Research programmes
MPhil/MPhilStud/PhD
A UK Bachelor’s degree in an appropriate subject, awarded with first or upper second-class Honours, or an overseas qualification of an equivalent standard from a recognised higher education institute, or a recognised taught Master’s degree, is required. Some research degrees will require all applicants to hold a Master’s degree. Students register for the MPhil degree in the first instance and, subject to satisfactory progression, transfer to the PhD degree in the second year of research.

MD(Res)
Applicants must have been awarded the University of London MBBS, or a registered primary qualification in Medicine, and be eligible for full registration or hold limited registration with the General Medical Council (GMC). Applicants are normally hospital clinicians undertaking research associated with their employment. Other applicants wishing to pursue clinical research should apply for the MPhil/PhD.

Professional Doctorates (DClinPsy, DDent, DECPsy, DEdPsy, Doctorate, Doc Orth, DPsychotherapy)
Please refer to subject pages or contact the relevant academic unit for specific entry requirements for these programmes.

Taught programmes
MRes
A UK Bachelor’s degree in an appropriate subject, awarded with first or upper second-class Honours, or an overseas qualification of an equivalent standard from a university or educational institution of university rank is required.

Master’s Degrees (MA, MSc, LLM, MFA, MArch, MClinDent)
A UK Bachelor’s degree in an appropriate subject, awarded with first or second-class Honours, or an overseas qualification of an equivalent standard from a university or educational institution of university rank is required.

For some taught programmes, an applicant whose qualifications, although otherwise acceptable, are of lower standard may be admitted if evidence of an adequate academic background and experience in an appropriate field can be shown. In certain instances, applicants may be required to pursue the programme over an extended period of time (including a qualifying year enrolled for a Graduate Diploma) and/or pass a qualifying examination before being registered for the degree programme.

Postgraduate Diplomas and Postgraduate Certificates
The entry requirements are usually the same as for the corresponding Master’s programme. Please refer to the relevant academic unit for details of specific entry requirements.

International qualifications
UCL is pleased to consider a wide variety of international qualifications for entry to its graduate programmes. The following equivalencies are used for students studying under the US/Canadian grade point average (GPA) marking scheme.

<table>
<thead>
<tr>
<th>US/Canadian GPA marking scheme</th>
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</thead>
<tbody>
<tr>
<td>First-class Honours: GPA 3.6/4.0</td>
</tr>
<tr>
<td>Upper second-class Honours: GPA 3.3/4.0</td>
</tr>
<tr>
<td>Lower second-class Honours: GPA 3.0/4.0</td>
</tr>
</tbody>
</table>

Please be aware that, in addition to the required grades, the acceptability of qualifications can be dependent on the type and length of the degree programme studied as well as the institution attended. Please refer to the country pages of the UCL International Students website (www.ucl.ac.uk/international) for details of qualification equivalencies.
English language proficiency requirements

If your first language is not English you are required to provide recent evidence that your command of the English language is adequate. Proof may take the form of substantial education (usually at least 12 months) or work experience (usually at least 18 months) conducted in English in a majority English-speaking country, no more than two years prior to the date of enrolment. Alternatively, applicants must provide an English language qualification recognised by UCL and awarded not more than two years prior to the date of enrolment. If you are a visa national, your language qualification must have been taken within two years of any issuance of a Certificate of Acceptance from UCL.

The requirements for all programmes will be at one of three levels:

- **Standard level**: Most Biomedical Sciences, Built Environment, Engineering and Physical Science programmes
- **Good level**: Most Arts, Life Sciences and Social Science-based programmes
- **Advanced level**: All Laws programmes

There are exceptions to the programme requirements listed above. Full details of the requirements for all programmes as well as all acceptable qualifications can be found at www.ucl.ac.uk/study. UCL reserves the right, in individual circumstances, to specify an additional language requirement for an applicant.

For IELTS and TOEFL the following grades are required:

**International English Language Testing System (IELTS)**

**Academic Version**

<table>
<thead>
<tr>
<th>Level</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Overall grade of 6.5 with a minimum of 6.0 in each subtest</td>
</tr>
<tr>
<td>Good</td>
<td>Overall grade of 7.0 with a minimum of 6.0 in each subtest</td>
</tr>
<tr>
<td>Advanced</td>
<td>Overall grade of 7.5 with a minimum of 6.5 in each subtest</td>
</tr>
</tbody>
</table>

**Test of English as Foreign Language (TOEFL) and Essay Rating**

**Internet-based version**

<table>
<thead>
<tr>
<th>Level</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Score of 92, plus 24/30 in the reading and writing subtests and 20/30 in the listening and speaking subtests</td>
</tr>
<tr>
<td>Good</td>
<td>Score of 100, plus 24/30 in the reading and writing subtests and 20/30 in the listening and speaking subtests</td>
</tr>
<tr>
<td>Advanced</td>
<td>Score of 109, plus 24/30 in the reading and writing subtests and 20/30 in the listening and speaking subtests</td>
</tr>
</tbody>
</table>

Please note: the paper-based TOEFL test and the computer-based TOEFL test do not satisfy the UCL English language requirement.

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**Academic English at UCL**

The UCL Centre for Languages & International Education (CLIE) offers a selection of 5, 8, 12-week or extended pre-sessional English language courses for international students from April to September each year. A one-year (September to June) Diploma in English for Academic Purposes is also available for students beginning with a lower level of fluency. All of these courses, passed at the appropriate level, meet UCL’s English language requirements for graduate study. All the English language courses offered by CLIE are accredited by the British Council. Further details can be obtained at www.ucl.ac.uk/clie.
How to apply

To apply for admission as a research student or for any of our taught graduate programmes at UCL, you need to complete a graduate application. For most graduate programmes at UCL, you need to complete an online application. For a small minority of programmes, applying online is not possible and you will need to download application materials from our website. A list of these programmes is available on the ‘Application and entry’ section of our website. There is an application fee of £25 for online and £50 for paper applications for taught programmes. There is no application fee for research degree programmes.

Applications must be supported by two references from people who are able to comment upon your suitability for the programme for which you are applying. If possible, at least one of the references should be from a recent teacher who is acquainted with your academic ability.

Transcripts are required for all qualifications that are relevant to your application. The transcript must be in English and should contain details of all the subjects or degree programmes studied, the marks obtained, the qualification that was awarded and the date of the studies. If you are unable to provide a transcript at the point of application, you must enter on the application full details of the subjects studied and grades achieved.

Please be aware that as part of the online application process, your two referees must upload your references via a secure website. In addition, you must be able to submit online an electronic copy of your transcript. If you are unable to do this, you should apply using a paper application.

There are further application guidelines available on our website at: www.ucl.ac.uk/gradprospectus.

Application deadlines

Owing to competition for places, you are advised to apply as early as possible. UCL’s general closing date for applications for graduate study is 2 August 2013 for applicants applying for September 2013 entry. Some programmes do have an earlier application deadline. Please refer to the website for details. When submitting your application, you should also consider any funding and accommodation deadlines. You are advised to submit your application at least eight weeks before any such deadline.

Processing your application

All applicants are given access to Portico – UCL’s web portal. Through Portico, you will receive messages regarding the status of your application. You will be informed if the application is complete or that certain missing items are required before the application can be considered.

If the application is received complete, Portico will indicate a date by which you should expect a response. This response may take the form of an offer, an invitation to interview, a request for further information, or a rejection.

Successful applicants will be able to access the text of their offer letter and any conditions on Portico. A formal offer letter will also be sent signed by the Director of Registry and Academic Services. The letter will indicate whether the offer is unconditional or subject to the fulfilment of specific conditions. Details of UCL’s General Conditions of Entry are also provided.

International applicants should not leave their own country for the purpose of attending UCL before receiving a formal offer of admission either direct from UCL or through their sponsoring authority, and, if required, securing the appropriate visa for entry to the UK.

Academic Technology Approval Scheme (ATAS)

If you are an international student from outside the EEA and Switzerland and are applying for a research degree in science, engineering or technology disciplines or for a taught programme in Biochemical Engineering, Chemical Engineering, Physics or Mechanical Engineering, you will be required to apply to the UK government for an Academic Technology Approval Scheme (ATAS) clearance certificate. Further details of the scheme are available from the ATAS website at www.fco.gov.uk/atas.

Obtaining a visa

If you wish to study in the UK coming from a country outside the EEA, and you intend to study in the UK for more than six months, you will need to apply for a visa under Tier 4 of the UK’s Points-Based Immigration System. In order to apply for a visa, you will require sponsorship from a university licensed as a sponsor by the UK Border Agency, such as UCL. For full details about this process please see our website at www.ucl.ac.uk/international. As part of your visa application, you will have to be able to demonstrate evidence of sufficient funds to pass a maintenance test and provide evidence of your educational qualifications. Further information on visa requirements can be obtained from the UK Border Agency at www.ukba.homeoffice.gov.uk/visas-immigration/studying.

If you intend to study in the UK for less than six months, then officially you will only need prior entry clearance if you are a ‘Visa National’. A list of Visa Nationals can be found at www.ukba.homeoffice.gov.uk/visas-immigration/general-info. However, we strongly advise all students from outside the EEA to seek prior entry clearance even if coming for less than six months.
After you apply

Should you have any queries regarding the application process for admission to a graduate programme at UCL, further details are available on Portico – UCL’s web portal. There is also a Frequently Asked Questions page on our website at: www.ucl.ac.uk/gradapps. In addition, you can telephone UCL Admissions on: +44 (0)20 7679 7742 or +44 (0)20 7679 7381.

You can track the progress of your application on Portico and the final decision on your application will also be displayed here. If your application is successful, you will be contacted a few months before the start of the academic year to confirm the details of your admission. Information on the payment of tuition fees, the verification of qualifications and details of when and where to enrol will also be sent to you. Special arrangements are made for students whose programmes start at other times of the year.

Equal opportunities

At UCL, our principal concern when considering applications is to recruit and select students who are likely to complete the programme successfully and derive benefit from it. Once these requirements are met, we disregard other issues such as disability, age, ethnic origin, sex, marital status, sexual orientation, number of children and beliefs relating to religion and politics. This attitude and these considerations underlie the equal opportunities policy of UCL, to which we are firmly committed. We positively welcome applications from members of groups which are currently under-represented.

Accuracy of information

UCL’s decisions on applications are made in good faith on the basis that all of the information and documentation provided by applicants is complete and accurate. UCL reserves the right to refuse admission or to terminate a student’s attendance, should it be discovered that: a false statement has been made; a false document has been provided; documentation has been altered or if there has been an omission of significant information.

Appeals and complaints procedure

Decisions on the admission of applicants are final and there is normally no right of appeal against such decisions. UCL will consider a complaint relating to an application for admission only if there is substantive evidence of an irregularity in the procedure under which the application has been handled. Complaints relating to graduate applications should be addressed to the Head of Outreach and Admissions, Registry and Academic Services. If the complaint is against the Head of Outreach and Admissions, it should be addressed to the Director of Registry and Academic Services.
The focus of the Faculty of Arts and Humanities is on understanding human creativity, culture and thought as expressed in the creative arts, philosophy and history from classical times to the present day. Excellent library resources and state-of-the-art language-learning facilities at UCL are complemented by international academic partnerships and the unrivalled resources of London, including libraries, museums, galleries, theatres and cultural institutes.
Our focus is on interdisciplinarity, with a whole geographical, linguistic and global reach offered by the expertise and specialties of our teaching staff.

You will have the opportunity to study alongside over 40 early modernists working in departments across UCL who are associated with the programme through the Centre for Early Modern Exchanges.

We offer a rich research culture, with conferences, workshops and a seminar series in which leading international experts are invited to speak.

Our world-leading training in research provides insight and understanding into the crucial theoretical and methodological issues affecting early modern studies.

Themes of interest to researchers range from:
- Dissemination and development of scientific and medical knowledge, spread and transfer of technology
- Interplay between past and present, historiography, the archaic, nostalgia and the newfangled, classical and medieval pasts, archaeology and material cultures
- Literary influences across national, provincial and linguistic borders
- Occasions of significant cultural contact and/or heightened intranational anxiety
- Old worlds and New worlds, from botanical and medicinal exchanges to pathogens, people and practices, colonialism and ethnography
- Religious and political interactions in the wake of the Reformation
- Representations of intra- and extra-European ‘others’ in literature and art
- The production, circulation, and collection of books and manuscripts across Europe, the emergence of libraries and the book trade
- Trade and flows of material as well as cultural goods within and beyond Europe
- Translation, translators and language learning
- Travel, exile and migration in early modern Europe and the New World.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Careers data from our Early Modern Studies MPhil/PhD is not yet available. We expect our graduates to become researchers, academics or work in the heritage and cultural industries.

Entry requirements
A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Careers data from our Early Modern Studies MA is not yet available. We expect our graduates to become researchers, academics or work in the heritage and cultural industries.
ENGLISH

The department has specialists in every period of English and American literature.

We offer a full programme of research seminars, invited speakers and papers given by graduate students themselves, regular classes in research methods and career development workshops.

You will have the opportunity to undertake a limited amount of tutorial teaching, normally in the second year of research.

Students have automatic access to an incomparable range of archives and libraries, including the Senate House Library of the University of London and the British Library.

Research programmes

MPhil/PhD FT3 PT5

Research in literature covers the full chronological range of English and American Literature, from Anglo-Saxon and Medieval texts to the work of living writers. The department’s research activities are divided into four main themes: the City, Editions, Life Stories, and English Language and Linguistics. Distinguished research in the field of English Language is supported by the presence of the Survey of English Usage within the department, which has recently undertaken the large-scale AHRC-funded project ‘Creating a web-based platform for English language teaching and learning’. Under the City theme, a three-year Leverhulme-funded research project on 19th-century Bloomsbury and reform was completed with the publication of its website in April 2011: www.ucl.ac.uk/bloomsbury-project. We welcome MPhil/PhD applications in all language and literary specialisms.

Collaborative partnerships and ventures include:

• The UCL Centre for Early Modern Exchanges, which explores all kinds of intercultural exchange in the period 1450–1800
• The UCL Centre for Digital Humanities – including production of an online Catalogue of English Literary Manuscripts 1450–1700
• With Birkbeck College, the British Film Institute and the Imperial War Museum – a project to catalogue, analyse and make available online a selection of moving images of the British Empire
• The Medieval Song Network at the Institute of Musical Research – a project to develop and co-ordinate research on the origins of English song.

Entry requirements

A UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard will normally be required.

Career prospects

Recent graduates have taken up academic posts at the Universities of Oxford, Nottingham and Greenwich and at UCL.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>English: Issues in Modern Culture MA</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>English Linguistics MA</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
</tr>
<tr>
<td>English: Shakespeare in History MA</td>
<td>FT1 PT2</td>
</tr>
</tbody>
</table>

Entry requirements

A minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard will normally be required.

Career prospects

Recent graduates have entered professional occupations within organisations such as The Guardian, the National Theatre, the Royal Society of Medicine, Oxford University Press and the BBC, and others have gone on to further study at UCL, the University of Cambridge, King’s College London, Queen’s University Belfast and City University.

Contact details

Admissions Officer
EMAIL english-admissions@ucl.ac.uk
TEL +44 (0)20 7679 7122

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Up to three PhD and two MA nominations for AHRC studentships. In collaboration with the Victoria and Albert Museum (V&A), the department at present offers AHRC-funded studentships for literary research based on the V&A’s holdings. Future such studentships will be advertised on our website (see above).
The School of European Languages, Culture and Society comprises six departments – Dutch, French, German, Italian, Scandinavian and Spanish and Latin American Studies – and several interdepartmental programmes.

In any given year, the school teaches 100 Master’s students and 50 graduate research students.

Graduate programmes focus on the literatures, linguistic traditions, history, sociology, philosophy, art, film, and other cultures associated with the languages taught in the school.

The school has five principal research themes: visual culture, trauma, crime, borders and the Book, and welcomes research applications in these fields.

### Research programmes

**MPhil/PhD**

<table>
<thead>
<tr>
<th>FT3</th>
<th>PT5</th>
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</table>

The school’s research activities are split across the following areas:

**Dutch**
- Comparative literature, gender studies and translation studies
- Golden Age and Renaissance and modern Dutch and Flemish literature and culture
- Modern history, culture and society of the Benelux countries; intercultural and transnational studies
- Research into the teaching of Dutch as a foreign language and distance education as well as digital humanities.

**French**
- Literary theory – psychoanalysis, deconstruction, postcolonialism; film; relations between literature and the visual, between literature and philosophy, between literature and medicine; gender; intertextuality; the theory and practice of translation; contemporary French politics.

**German**
- German history: GDR social history; generations in 20th-century Germany; Nazi Germany; German nationalism; German art history; anti-semitism; exile studies
- German literary and cultural studies: witchcraft; gender studies; post-war film; representations of violence and murder; Austrian drama; narrative ethics; anti-authoritarian movement of the late 1960s in West Germany; representation of history in literature; reverberations of war in literature and film; contemporary literature in German; laughter, jest and ridicule in courtly and urban culture; medieval drama; Wolfram von Eschenbach’s Parzival
- Linguistics: sociolinguistics; feminist linguistics and discourse analysis; the theory and practice of language teaching; women’s discourse in National Socialism; the sociolinguistic history of cursing and swearing in German since the 16th century.

**Italian**
- Art (Futurism; Arte Povera)
- Contemporary Italian literature
- Dante
- Italian film
- Italian food
- Italian sport
- The city and memory
- The Mafia
- The Renaissance.

**Scandinavian Studies**
- Medieval: Old Norse literature and mythology; medieval history
- Modern: modern and contemporary Scandinavian history; Scandinavian linguistics; Scandinavian literature; Scandinavian book history; Scandinavian film and visual culture; world literature; translation studies.

**Spanish and Latin American Studies**
- Art and politics in Iberian and Latin American literature and film
- Cultural translation and transatlantic studies
- Migration and narratives of travel in the Hispanic World
- Science and the arts in the Iberian and Latin American World.

**Entry requirements**

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

**Career prospects**

Recent graduates have used their knowledge to work in the fields of research, curriculum, the BBC, the BFI, advertising and the film industry.

### Contact details

Research programmes:
Professor Stephen Hart
EMAIL stephen.malcolm.hart@ucl.ac.uk
TEL +44 (0)20 7679 2768

Taught programmes:
Ms Patrizia Oliver
EMAIL patrizia.oliver@ucl.ac.uk
TEL +44 (0)20 7679 7024

### Tuition fees

Up-to-date tuition fee information is available at [www.ucl.ac.uk/current-students/money](http://www.ucl.ac.uk/current-students/money)

### Funding

- Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.
- French: one AHRC PhD Scholarship and the Rothschild Scholarship. One MA Transferability Scholarship in French and Francophone Studies covering full UK/EU tuition fees.
- German: the department offers the Margaret Richardson and Fiedlen Research Scholarships to MPhil/PhD research students; apply to the department. Enrolled students may be eligible to apply for the Eleanor Grove Scholarship. One PhD AHRC Block Grant Award is available.
- Italian: up to one PhD and one MA nominations for AHRC studentships.
- Spanish: one AHRC PhD Scholarship.

Further information on pages 26–31

### Related departments

- Early Modern Studies, page 40
- European Studies, page 44
- Intercultural Studies, page 49
- History, page 131
- History of Art, page 132

### Research Assessment rating (see contributing departments)

| 56 academic staff |
| 45 research students |
| 100 taught graduate students |
## Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Language, Culture and History MA FT1 PT2</td>
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<tr>
<td>Language, Culture and History MA FT1 PT2</td>
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</tr>
</tbody>
</table>

with routes available in:
- Dutch Studies
- French and Francophone Studies
- German History
- German Studies
- Hispanic Studies
- Italian Studies
- Scandinavian Studies (Medieval and West Norse)

**Dutch Golden Age MA** is also offered, in conjunction with the Departments of History and History of Art, see page 131.

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### Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

### Career prospects

Recent graduates have used their knowledge of European languages in a variety of contexts such as banking, the media, teaching and translating, public relations, the civil service, the travel industry. Others have gone on to pursue research degrees in UK, European and US universities.

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**Elizabeth Wallmann**

Language, Culture and History: French and Francophone Studies MA

I was attracted by UCL’s reputation as a forward-thinking, innovative university. Having looked up the research interests of the tutors, I found that they covered very different fields, including many of which I hadn’t had the opportunity to study before; this has proven to be very inspiring. Equally, I liked the fact that the structure of the programme allows for a lot of flexibility in one’s choice of modules so that one can develop one’s own interests. Lastly, I was offered the Siva-Finestone MA Scholarship, which has greatly alleviated the financial burden a Master’s degree can represent.

Studying languages means studying so many different things — there is no need ever to be bored! I will be starting a PhD next year and I hope to work as an academic in the future. Whilst studying for my Master’s, I realised how much I enjoy using my creativity and intellect to read and write about topics I feel are relevant to the world we live in.
We offer a unique range of regional and discipline-based areas of specialisation, including most European languages, Hebrew and Jewish Studies and subjects covered by the Departments of History and Political Science.

A strong emphasis is placed on bringing together students whose interests may cross disciplinary boundaries.

Our excellent location in central London is very close to the British Library and the Institutes of Historical Research and Germanic and Romance Studies.

Research areas include:
- Comparative historical, social and cultural studies
- Political and social theory
- Post-Lacanian political theory
- Theories and representation of violence
- European cultures of memory
- European film.

Entry requirements
A UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard. In some cases high marks within a first-class Bachelor’s degree will be acceptable.

Career prospects
Many of our graduates go on to pursue academic careers and recently our students have taken up positions at UCL, Oxford and King’s College London amongst others. Others are working for non-governmental organisations or in the arts.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
Recent graduates have gone on to work in a variety of industries such as banking, journalism, publishing and teaching or have taken up positions in local and national government organisations. Others have gone on to study MPhils or PhDs in areas including comparative historical, social and cultural studies; political and social theory; post-Lacanian political theory; theories and representation of violence; European cultures of memory; European film; cultural representation of space; global development; gender studies; ethics and education.

Academic staff of the centre are drawn from various UCL departments
- 10 research students
- 28 taught graduate students

Research Assessment rating
(see contributing departments)

Contact details
Research programmes:
Ms Nuria Batlle
EMAIL nuria.batlle@ucl.ac.uk
TEL +44 (0)20 7679 2765

Taught programmes:
Ms Patrizia Oliver
EMAIL patrizia.oliver@ucl.ac.uk
TEL +44 (0)20 7679 7024

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Further information on pages 26–31

Related departments
- All Arts and Humanities departments, see list page 39
- History, page 131
- History of Art, page 132
- Intercultural Studies, page 49
- Political Science, page 133
We approach the study and practice of art in an enquiring, investigative, experimental and research-minded way, consciously contributing to the lively discourses of contemporary art, nationally and internationally.

Our staff are actively involved in research as well as teaching and between them have a broad and diverse range of interests and expertise.

Slade facilities and infrastructure for research support the discourse around painting, sculpture and fine art media.

Studio space and facilities have been expanded and enhanced in recent years and a large research centre and project space has been established in the Woburn Square studios.

The Slade offers a choice between the following three options within the PhD programme:

- Practice-led: a thesis of studio practice and a written report of 15,000–40,000 words
- Practice-related: a written thesis of 60,000–80,000 words with studio practice
- Written thesis only (80,000–100,000 words)

In addition to personal tutorials, students participate in relevant research skills courses organised by UCL Graduate School; a bi-weekly forum for the presentation of research by Slade and other UCL research students; regular seminars responding to students’ research interests; workshops on writing and research; participation in exhibitions, events, symposia, conferences at the Slade Research Centre, Woburn Square and the organisation of an annual students’ event which can take the form of an exhibition, conference or symposium. Students are also expected to attend discipline-specific studio seminars within the Slade painting, sculpture and fine art media areas; seminars and lectures are given by Slade and UCL staff and invited artists and speakers.

MFA applicants should normally be of graduate standing. Exceptionally, an applicant may be considered whose previous education and professional experience are deemed by UCL to be equivalent to graduate level.

MA applicants are required to hold a first degree in Fine Art at second-class Bachelor’s level or above, or its overseas equivalent, and are required to satisfy the school that they have an appropriate level of academic achievement. Exceptionally, an applicant with a first degree in a related subject (such as art history) will be considered, but evidence of a high level of achievement in the chosen studio discipline will also be required.

The application deadline for all applicants is Tuesday, 1 January 2013. All candidates are invited to submit a portfolio for inspection and shortlisted candidates are normally invited for interview.

Recent graduates have gone on to establish international careers as professional artists, receiving important public and private commissions, winning major prizes and international artist residencies, as well as developing new artist-led initiatives worldwide. Others have taken on roles in related careers including curation, museum and gallery management, teaching and many other crucial roles within the creative industries both in the UK and overseas.

Contact details
Academic Administrator
EMAIL slade.enquiries@ucl.ac.uk
TEL +44 (0)20 7679 2313

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Further information on pages 26–31

Related department
History of Art, page 132
We are one of the leading international centres for graduate study and research on the classical world.

Located at the heart of the capital, we are at the hub of an unrivalled range of resources for the study of the ancient world, with London's cultural resources in easy reach.

The UCL Library possesses excellent holdings of early materials, especially in classics and classical archaeology, whilst the Edwards Library, also at UCL, houses an impressive Egyptology collection.

In addition to our traditional strengths in classical literature, philosophy and papyrology, we are also developing a significant research focus on the reception of the classical world, intellectual history, and critical theory.

Research programmes

MPhil/PhD | FT3 | PT5

Major research areas in the department include:

- Ancient philosophy and science
- Greek literature: archaic poetry; Greek law and the ancient orators
- Greek and Roman historiography
- Historical linguistics: Mycenaean and the Greek dialects
- Papyrology
- Reception of the Classical World
- Roman literature: love poetry; Ovid; Cicero.

Entry requirements

A Master's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have won British Academy, Leverhulme and Wellcome Trust postdoctoral fellowships, and many have gone on to careers in leading UK and international universities (Athens, Cambridge, Cyprus, Edinburgh, London, Manchester, Newcastle, and Oxford).

Daisy Dunn
Greek and Latin PhD

My PhD project encompasses many different fields of study – Classics (principally Greek and Latin literature), History, and Art History, so I have had the chance to get to grips with many different approaches to scholarship, and a wide variety of sources. It’s probably the interdisciplinary nature of my thesis that makes it most interesting. I’m in the final stages of my research now, and hope next to pursue an academic career, in addition to my own writing. When I started I was funding myself, but after a year of study I was nominated for the AHRC Doctoral Studentship. The studentship pays, until I submit my thesis, all my tuition fees and provides a stipend to support my living costs.

Contact details

Research programmes:
Dr Stephen Colvin
EMAIL s.colvin@ucl.ac.uk
TEL +44 (0)20 7679 4570

Taught programmes:
Professor Chris Carey
EMAIL c.carey@ucl.ac.uk
TEL +44 (0)20 7679 7522

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Further information on pages 26–31

Related departments

Archeology, page 128
History, page 131
HEBREW AND JEWISH STUDIES

We offer one of the most comprehensive teaching and research programmes in Jewish Studies in Europe and have strong links with academic and research centres throughout the world.

In recent years the department has been awarded a number of major grants from the AHRC, the British Academy, the Leverhulme Trust and the Wellcome Trust. The most recent award was from the Leverhulme Trust on Medieval Christian and Jewish Calendar Texts from England and Franco-Germany.

We also run a major research project on anti-semitism in post-Communist Europe, and on the testimonials sent to Moses Montefiore from the entire Jewish world of the late 19th century.

Doctoral students have a good record in securing academic employment.

Research programmes

MPhil/PhD

We are a multi-disciplinary department with expertise across the whole field of Jewish studies, ranging from history (ancient to modern) and political science to language (all phases of Hebrew, several other Semitic languages and Yiddish), literature, and gender issues.

Research activities in the department include:

• Eastern European Jewish history and culture
• Gender issues in modern Israeli literature
• Itzik Manger: Balladeer
• Magic and medicine in the Ancient Near East
• Perceptions of ‘Jewish criminality’ in Germany
• The Arab-Israeli conflict
• The concept of time in Jewish thought
• The Jewish mystical tradition.

Entry requirements

A minimum of an upper second-class Bachelor’s degree in an arts or social science subject from a UK university or an overseas qualification of an equivalent standard, and a demonstrated knowledge of Hebrew or Yiddish, or another language appropriate to the research proposal.

Career prospects

In recent years, several students who have graduated from our research programmes have embarked on careers in academia. Others have taken jobs in journalism, for the United Nations, with non-governmental organisations, international think-tanks in Brussels and London, and in the diplomatic service.

Taught programmes

| Language, Culture and History: | Hebrew and Jewish Studies MA |
| Language, Culture and History: | Holocaust Studies MA |
| Language, Culture and History: | Jewish History MA |
| Language, Culture and History: | Modern Israeli Studies MA |

Entry requirements

Normally a minimum of a second-class Bachelor’s degree in an arts or social science subject from a UK university or an overseas qualification of an equivalent standard.

• For the Hebrew and Jewish Studies MA candidates must also demonstrate knowledge of either Hebrew or Yiddish.
• For the Holocaust Studies MA candidates must demonstrate knowledge of a language, besides English, which would be appropriate for their area of interest.
• There is no language requirement for the Jewish History MA.
• For the Modern Israeli Studies MA candidates must demonstrate knowledge of Hebrew or Arabic.

Career prospects

Recent graduates have pursued research degrees both at UCL and elsewhere in Europe, or have secured positions in the diplomatic service, non-governmental organisations, international banking and Jewish extra-parliamentary groups.

STAFF VIEW

Dr Lily Kahn
Postdoctoral Research Fellow

UCL is a fantastic institution with a lively, cosmopolitan environment and outstanding research facilities; and as well, its location in the heart of London means that a host of other world-class specialist institutions such as the British Library are within easy access. Upon completing my PhD in the department, my supervisor secured funding for me to stay on as a member of staff conducting postdoctoral research into Hebrew grammar and teaching Biblical Hebrew and Yiddish.

Contact details

Graduate Admissions Tutor
EMAIL jewish.studies@ucl.ac.uk
TEL +44 (0)20 7679 7171

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

The Ian Karten Charitable Trust provides a number of scholarships (£1,000) for graduate students each year. Contact the Graduate Admissions Tutor for details.

Further information on pages 26–31

Related departments

Anthropology, page 127
Slavonic and East European Studies, page 124
The Department of Information Studies offers a high-quality teaching environment, with dedicated, professional staff and a personal and caring culture. The department researches and teaches across all aspects of information studies. Our outstanding team of researchers, teachers, students and practitioners understand, develop and shape the emerging information environment.

Research programmes

| MPphiPhD | FT3 | PT5 |

We are a leading centre for research in librarianship, information science, archives and records management and digital humanities, especially in the areas of digital information seeking, scholarly communication, user studies, electronic records, digital technologies for the humanities, preservation management, history of the book, mathematical logic and knowledge representation.

At the heart of our research activities lie the following centres and groups: Centre for Digital Humanities; Centre for Publishing; International Centre for Archives and Records Management Research and User Studies (ICARUS); Applied Logic Group; Knowledge Organisation Group.

Entry requirements

A UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard, plus a minimum of an upper second-class UK Bachelor’s degree or equivalent.

Career prospects

Most of our research students have already worked as information professionals in the public and private sectors or in academia. The successful completion of a research degree enables them to achieve the highest positions in their chosen field. Recent examples include Deputy Director, National Library of Portugal; Corporate Records Manager, Staffordshire County Council.

Taught programmes continued

| Library and Information Studies MA | FT1 | PT2-5 |
| Publishing MA | FT1 | PT2-5 |
| Information Science MSc | FT1 | PT2-5 |

Postgraduate Diploma/Postgraduate Certificate*

Entry requirements

A minimum of a second-class UK Bachelor’s degree or an overseas qualification of an equivalent standard. Additional requirements are:

- Library, Archive and Information Studies MRes: a first professional qualification and several years’ relevant work experience
- Archives and Records Management MA: an upper second-class UK Bachelor’s degree or equivalent; normally a year (or more) of paid or voluntary employment in an archive or records service, or in a post with management responsibility for archives or records
- Digital Humanities MA/MSc: an upper second-class UK Bachelor’s degree in a relevant humanities or computing discipline, or an overseas qualification of an equivalent standard.
- Electronic Communication and Publishing MA: applicants without the above academic attainment but with relevant work experience may exceptionally be considered
- Library and Information Studies MA: an upper second-class UK Bachelor’s degree or equivalent; normally a year of full-time employment or its equivalent in a recognised library or information service
- Publishing MA: applicants without the above academic attainment but with relevant work experience may exceptionally be considered
- Information Science MSc: applicants without the above academic attainment but with relevant work experience may exceptionally be considered. Candidates should normally be able to demonstrate experience of, or hold an existing qualification in, either an information or computing discipline.

Career prospects

Our graduates have excellent career prospects, with more than 90% finding a post in their chosen profession upon graduation. Many of our alumni become leaders in their fields, both in the UK and internationally. Examples include Curator, RAF Museum; Librarian, Harlingey Libraries; Editor, Dorling Kindersley; Digital Asset Controller, Penguin; Records Manager, Royal College of Surgeons; Project Manager, Wellcome Trust.
The Centre for Intercultural Studies (CIS) offers a platform for interdisciplinary graduate study and research which cuts across traditional subject boundaries and promotes interaction between diverse specialisms.

CIS runs research seminars for MPhil and PhD students working across languages, cultures and disciplines.

Staff are drawn from the various departments and all have subject-based specialisms as well as comparative and interdisciplinary interests.

Close collaborative links with the School of Oriental and African Studies (SOAS) provide a further dimension to studies in the CIS.

Key research themes of the CIS are:
• Comparative literature; literary theory
• Film studies, especially European and American cinema; film theory
• Gender studies, including interdisciplinary, historical and literary aspects
• Translation studies: history and theory of translation; literary translation.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Recent graduates of our MPhil/PhD programmes have found employment in academia as lecturers and postdoctoral researchers in UK universities including Cambridge, UCL and St Andrews, as well as overseas at Hong Kong Baptist University.

Taught programmes
Comparative Literature MA FT1 PT2
Film Studies MA FT1 PT2
Gender, Society and Representation MA FT1 PT2
Translation Theory and Practice MA FT1 PT2

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
Recent graduates have pursued PhDs in film studies, comparative literature and translation studies at UCL and in European studies at Aarhus University. Others have sought qualifications in journalism at Brunel University, in teaching at the Institute of Education, in filmmaking at the London Film School and in law at the BPP Law School. The remainder have found employment in the media, in teaching and in the civil service.

Contact details
Research programmes:
Ms Nuria Batlle
EMAIL nuria.batlle@ucl.ac.uk
TEL +44 (0)20 7679 2765

Taught programmes:
Ms Patrizia Oliver
EMAIL patrizia.oliver@ucl.ac.uk
TEL +44 (0)20 7679 7024

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Further information on pages 26–31

Related departments
All Arts and Humanities departments, see list page 39
Built Environment, see list page 65
Laws, page 83
Slavonic and East European Studies, page 124
All Social and Historical Sciences departments, see list page 125
In the most recent Research Assessment Exercise (RAE 2008), the UCL Philosophy Department was ranked first in the UK.

We produce leading research in Political and Moral Philosophy, Philosophy of Mind and Language, Applied Ethics, Metaphysics and Epistemology and the History of Philosophy (including Kantian and post-Kantian Continental Philosophy).

We are at the centre of the rich and active philosophical life in Bloomsbury, including seminars and conferences at the Institute of Philosophy, the Aristotelian Society and the Royal Institute of Philosophy.

We have an excellent placement record for graduate students (see www.ucl.ac.uk/philosophy/alumni/placement-record).

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil Stud</td>
<td></td>
<td></td>
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<tr>
<td>MPhil/PhD</td>
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<td></td>
</tr>
<tr>
<td>PhD</td>
<td>FT2</td>
<td>PT4</td>
</tr>
</tbody>
</table>

The normal route to PhD study in the department is by way of undertaking the two-year MPhil Stud initially. Students who have completed the MPhil Stud (or an equivalent) will have gained sufficient depth and breadth of knowledge to progress to the two-year (minimum) PhD. There is a provision for those who have sufficient graduate training in Philosophy to be admitted to the three-year MPhil/PhD programme.

Research areas include:
- 19th-century German philosophy
- Epistemology
- Ethics
- Metaphysics
- Philosophy of mathematics
- Philosophy of mind
- Political philosophy.

Entry requirements

MPhil Stud: a first-class UK Bachelor’s degree in Philosophy or an overseas qualification of an equivalent standard.

MPhil/PhD: a one-year research degree in Philosophy or an overseas qualification of an equivalent standard.

PhD: a two-year graduate degree in Philosophy (MPhil Stud or equivalent) or an overseas qualification of an equivalent standard.

All applicants for research degrees must submit two short pieces of work, of about 2,000 words each, with their application.

Career prospects

Recent graduates have gained prestigious fellowships (University of London Jacobson Fellowship and All Souls College Oxford Prize Fellow and Oxford Career Development Fellowship) as well as post-doctoral placements in Europe (University of Antwerp, Merton College, Oxford, Somerville College, Oxford and the Institute of Philosophy at UNAM, Mexico). Others have gone on to lectureships in various UK universities (Cambridge, Oxford, Manchester and Strirling).

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy MA</td>
<td></td>
<td></td>
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<tr>
<td>Economics of Health MA</td>
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</table>

Entry requirements

- Philosophy MA: a minimum of an upper second-class UK Bachelor’s degree in Philosophy or an overseas qualification of an equivalent standard. Applicants with a strong degree in a non-philosophical subject are welcome.
- Philosophy, Politics and Economics of Health MA: a minimum of an upper second-class UK Bachelor’s degree from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Many who graduate from our MA degree programmes are admitted to research programmes in UK and US universities. Others have entered careers in journalism or in the financial sector.

Contact details

Mr Richard Edwards
EMAIL: philosophy@ucl.ac.uk
TEL: +44 (0)20 7679 7115

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

The department also has a small set of funds to offer awards to research students which are allocated on the basis of merit and need. These include the Follett Scholarship, a one-year award of £13,000; the S V Keeling Scholarship, a three-year scholarship to support research in philosophy, principally in ancient philosophy, worth £7,500 per year; Aver, Dawes Hicks, Jacobsen, Melhuish, J S Mill Fellowships, each worth £500–£1,000.

Further information on pages 26–31
The Faculty of Brain Sciences brings together outstanding scientists and teachers studying every level of central nervous system function. Areas of research and education encompass all aspects of neuroscience, including: basic molecular signalling pathways; the structure and function of neural systems and circuits; perception, cognition and language; as well as mental health and neurological disease. The translation of research into tangible clinical benefit is a strategic priority, necessitating extensive collaboration, not only with the NHS, but also within UCL, as well as nationally and internationally. The faculty is an exciting place to pursue graduate study, with a strong focus on interdisciplinary training, supported by world-leading scientists delivering research-embedded teaching and expert supervision.

Ear Institute 52
Mental Health Sciences 53
Neurology 54
Ophthalmology 55
Division of Psychology and Language Sciences 56
Clinical, Educational and Health Psychology 57
Institute of Cognitive Neuroscience 58
Cognitive, Perceptual and Brain Sciences 59
Developmental Science 60
Language and Communication 61
Linguistics 62
Speech, Hearing and Phonetic Sciences 63
UCL Interaction Centre 64
The UCL Ear Institute is the largest and most multi-disciplinary centre for research into hearing and deafness in Europe. We provide a unique environment for graduate teaching and research training in hearing sciences and related clinical subjects. Our programmes draw on clinical expertise from the associated Royal National Throat, Nose and Ear Hospital, housing the largest clinical audiology unit in the UK. The UCL Ear Institute and Royal National Institute for Deaf People Libraries provide a collaborative housing of the largest library in Europe specialising in deafness and hearing loss.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>FT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil/PhD</td>
<td>FT3 PT5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MD(Res)</td>
<td>FT2 PT2</td>
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</table>

Research areas are:

- **Cell biology of hearing and balance loss:** understanding the mechanism of sensory hair cell death; repair of the sensory epithelia; hair cell regeneration; stem cell therapies
- **Cellular physiology of hair cells:** mechanisms of transduction; biophysics of afferent synapses; physiological characterisation of auditory neurons; electrophysiology
- **Clinical audiology:** evaluating current approaches for hearing impairment, tinnitus, cochlear implants, balance disorders and new diagnostic tools
- **Cochlear homeostasis:** epithelial barrier functions; roles of gap junctions; fluid and ion homeostasis
- **Cognitive neuroscience:** brain mechanisms of sound localisation; coding complex sounds in auditory cortex; molecular physiological basis of synaptic and neural activity
- **Molecular genetics of hearing and deafness:** identifying susceptibility genes for age-related hearing loss
- **Psychophysics and speech perception:** spectral and temporal processing, pitch perception, binaural hearing, development of speech perception and music perception
- **Testing auditory function:** otoacoustic emissions to identify susceptibility to hearing loss; development of sensitive audiological test procedures for diagnostic clinical use.

Entry requirements

A UK Master’s degree in a relevant discipline, or a minimum of an upper second-class Bachelor’s degree from a university, or an overseas qualification of an equivalent standard. MD(Res) applicants must have obtained the MBBS degree (or equivalent) and be eligible for registration with the UK General Medical Council.

Career prospects

Recent graduates have gone on to work in: research institutions across the world including the National Institutes of Health, NYU, the University of Western Ontario, Zhongshan Ophthalmic Center, Ospedale San Raffaele and UCL, in higher education, in schools, the NHS (Moorefields Eye Hospital) and other disciplines.

**Taught programmes**

- **Advanced Audiology MSc** (flexible 3-5 years)
- **Postgraduate Diploma** (flexible 3-5 years)
- **Audiological Science MSc** (flexible 2-5 years)
- **Postgraduate Diploma** (flexible 3-5 years)
- **Audiovestibular Medicine MSc** (flexible 2-5 years)
- **Postgraduate Certificate**
- **ENT Practice (Otology) MSc** (flexible 2-5 years)
- **Postgraduate Diploma**

Entry requirements

A minimum of a lower second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

- **Advanced Audiology MSc:** applicants should have at least two years’ clinical experience in audiology or a related discipline.
- **Audiological Science MSc:** applicants should have a UK Bachelor’s degree in a related subject (typically science, engineering, psychology) or an overseas qualification of an equivalent standard.
- **Audiovestibular Medicine MSc and ENT Practice (Otology) MSc:** applicants must hold a medical degree.

Career prospects

The vast majority of students graduating recently have gained employment within an audiology or audiovestibular medicine setting within the NHS, including senior audiological roles at Great Ormond Street Hospital and the Royal National Throat, Nose and Ear Hospital. Others have gone on to pursue further study, including research degrees, at institutions such as UCL and Cairo University.

**Research Assessment 2008**

70% rated 4* or 3* (see page 5)

**Recent graduates**

- **Audiovestibular Medicine MSc**
  - Carolina Leal
  - I find Audiology interesting as a whole, but I have a particular interest in auditory processing disorders, which studies what the brain does with what we hear. I am already an Audiologist and I am doing the MSc to keep myself abreast of new research and update my knowledge in the field. I find that in London everything is easily accessible, so in terms of studying, there is always a library, a quiet internet café or a park where you can sit and revise. There is also a lot going on in terms of free lectures promoted by libraries, universities, hospitals, etc.

**Contact details**

- Research programmes: Mrs Cheryl Overington
  - EMAIL: c.overington@ucl.ac.uk
  - TEL: +44 (0)20 7679 8910
- Taught programmes: Mr Robert Heller
  - EMAIL: r.heller@ucl.ac.uk
  - TEL: +44 (0)20 7679 8966

**Tuition fees**

Up-to-date tuition fee information is available at [www.ucl.ac.uk/current-students/money](http://www.ucl.ac.uk/current-students/money)

**Funding**

There may be opportunities through individual research grants from various sources.

**Further information**

- Related information on pages 26–31
- Related departments
  - Cell and Developmental Biology, page 87
  - Neuroscience, Physiology and Pharmacology, page 90
  - Speech, Hearing and Phonetic Sciences, page 63
MENTAL HEALTH SCIENCES

UCL Mental Health Sciences represents a unique interdisciplinary grouping of international experts in psychiatry encompassing epidemiological, biological, genetic and health services research as well as trials.

Close collaborations with the Institute of Neurology and the Division of Infection and Immunity provide diverse academic resources and a rich study environment.

We offer unrivalled access to clinical and community samples in which to conduct cutting-edge translational research, having strong collaborative links with five NHS Trusts operating within diverse, multi-cultural populations.

For graduate research, detailed and considered discussions with prospective supervisors and the graduate tutor are provided prior to admission, to ensure research and career aspirations match each student’s experience.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
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<td>5</td>
</tr>
<tr>
<td>MD(Res)</td>
<td>2</td>
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</table>

Staff in the department work in three thematic research groups:
- Common mental disorders
- Dementia and disorders of old age
- Psychosis.

Each theme covers research across the whole range of methods. Our expertise covers the full range of mental health sciences research including biological psychiatry, neuroimaging, psychiatric genetics, epidemiology, health services research (including quantitative and qualitative methods), social psychiatry and clinical trials.

It extends to psychiatric genetics, covering schizophrenia, dementia, alcohol dependence and affective disorders; to psychiatric epidemiology; and to common mental disorders, psychosis and the mental health of older people, including dementia research.

Entry requirements

A recognised medical qualification, or a Master’s degree, or a minimum of an upper-second class Bachelor’s degree from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have taken up academic posts in UK universities and others have progressed to senior clinical positions in NHS Trusts.

Taught programme

<table>
<thead>
<tr>
<th>Programme</th>
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<tbody>
<tr>
<td>Psychiatric Research MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>(flexible up to 5 years)</td>
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</table>

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard.

The Psychiatric Research MSc is intended for medically qualified doctors working in psychiatry and those who are not medically trained but are academically highly qualified and have substantial experience working in mental health.

Career prospects

Students graduating in the last three years have entered research (UCL, Mental Health Service, and charities), MRC/NIHR training fellowships, and academic (UK and European universities including the Universities of East Anglia and Milan) and health care professional roles in mental health trusts and hospitals.

Contact details

Research programmes: Dr David Osborn
EMAIL d.osborn@medsch.ucl.ac.uk
TEL +44 (0)20 7472 6168

Psychiatric Research MSc: Mrs Christine Coup
EMAIL c.coup@ucl.ac.uk
TEL +44 (0)20 7679 9039

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

All funding opportunities are advertised at: www.ucl.ac.uk/infection-immunity

Related information on pages 26–31

Related departments

- Epidemiology and Public Health, page 118
- Health Informatics and Multiprofessional Education, page 119
- Infection and Population Health, page 120
- Neurology, page 54
- Primary Care and Population Health, page 121
The UCL Institute of Neurology, together with the National Hospital for Neurology and Neurosurgery, forms a national and international centre at Queen Square for teaching in neurology and neuroscience.

UCL Neurosciences is currently ranked second in the world and first in Europe by Thomson Reuters Essential Science Indicators (2011).

In neuroimaging and clinical neurology, UCL produces 65% and 44% of the UK’s contribution to the world’s most highly cited papers, five-fold higher than that of the next highest UK institution.

Our Postgraduate Diploma in Clinical Neurology, offered online by distance learning, is a world first.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
<td>T3</td>
<td>P5</td>
</tr>
<tr>
<td>MD(Res)</td>
<td>T2</td>
<td>P2</td>
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</table>

Research is focused within the following eight departments:
- Brain Repair and Rehabilitation
- Clinical and Experimental Epilepsy
- Clinical Neuroscience (Royal Free campus)
- Molecular Neuroscience and the Reta Lila Weston Institute
- Neurodegenerative Disease
- Neuroinflammation
- The Sobell Department of Motor Neuroscience and Movement Disorders
- The Wellcome Department of Imaging Neuroscience.

Further details of our research and a list of selected publications are available via our website (www.ion.ucl.ac.uk).

Entry requirements

A first or an upper second-class UK Bachelor’s degree in an appropriate subject, or an overseas qualification of an equivalent standard, or a recognised taught Master’s degree, is required. In some areas of clinical research, General Medical Council (GMC) registration may also be required.

To be eligible for the MD(Res) programme, applicants must have obtained the MBBS degree or some other registerable primary qualification in medicine, or an overseas qualification of an equivalent standard, and be eligible for full registration with the UK General Medical Council (GMC).

MD(Res) applicants are normally hospital clinicians undertaking research associated with their employment. Other applicants wishing to pursue clinical research should apply for MPhil/PhD admission.

Career prospects

Recent graduates have taken up academic posts at UCL, Harvard, King’s College London, Imperial College London and Oxford University, and consultancy posts at GlaxoSmithKline and Deloitte. Clinically trained research students have taken up specialist registrar and consultant level posts on re-entering the NHS.

Entry requirements

- For MSc programmes a first or second-class UK Bachelor’s degree in an appropriate subject, or an overseas qualification of an equivalent standard.
- Applicants for the Dual Master’s in Brain and Mind Sciences must be able to follow a postgraduate curriculum in both the French and English languages as the programme involves a year of study in London and a year of study in Paris.
- Applicants for the Clinical Neurology MSc must be medically qualified, hold registration with the UK General Medical Council, or be fully registered in their home country, and have at least two years of postgraduate experience in clinical medicine, with at least six months in neurology.
- Applicants for the Neurology (for Clinical Trainees) MSc (flexible 2-4 years) Neurology (by Distance Learning) Postgraduate Diploma

Contact details

Education Unit
EMAIL ion.education.unit@ion.ucl.ac.uk
TEL +44 (0)20 3448 4740

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

MPhil/PhD Studentships: Medical Research Council DTA Studentships. MRC Capacity Building Studentships and UK charity studentships are also awarded.

Further information on pages 26–31

Related departments

Cell and Developmental Biology, page 87
Clinical, Educational and Health Psychology, page 57
Gatsby Computational Neuroscience Unit, page 93
Mental Health Sciences, page 53
Psychology and Language Sciences, page 56

90 academic staff
220 research students
80 taught graduate students
Research Assessment 2008
70% rated 4* or 3* (see page 5)
The UCL Institute of Ophthalmology is a premier centre in the world for the study of vision and the mechanisms, diagnosis and therapy of eye disease.

World-leading investigators come together to create a unique, exciting, goal-oriented and highly creative multi-disciplinary environment.

From visual neuroscience to retinal imaging, and stem cell and gene therapy to epidemiology, the opportunities for graduate students are immense.

Close links with laboratories in Europe and North America, strong clinical collaborations and growing commercial partnerships enrich the opportunities for learning and provide networks for future career development.

Research programmes

- **MPhil/PhD**: candidates normally require a minimum of an upper second-class Bachelor’s degree from a UK university (or its overseas equivalent) in a relevant subject.
- **MD(Res)**: candidates must have a clinical orientation and must a) have obtained the MBBS degree of the University of London; or some other registerable primary qualification in Medicine, and b) be eligible for full registration, or hold limited registration, with the UK General Medical Council.

Entry requirements

- Biology of Vision MSc: applicants must have a clinical orientation and must a) have obtained the MBBS degree of the University of London; or some other registerable primary qualification in Medicine, and b) be eligible for full registration, or hold limited registration, with the UK General Medical Council.

Career prospects

Recent graduates have taken up a number of academic posts at UK universities including UCL and Oxford. Others have pursued careers in industry or continued with clinical or other medically related careers.

**Entry requirements**

- Biology of Vision MSc: applicants must have a clinical orientation and must a) have obtained the MBBS degree of the University of London; or some other registerable primary qualification in Medicine, and b) be eligible for full registration, or hold limited registration, with the UK General Medical Council.

**Career prospects**

Clinical Ophthalmology graduates are well placed to purse further academic study, for example by embarking on an MD(Res) or PhD or continuing where relevant with clinical or medical careers. The Biology of Vision MSc provides excellent preparation for a PhD or a successful research career in academia or for positions in the public or commercial sectors. For those pursuing a clinical career in Ophthalmology it also provides excellent training in eye-related sciences and research.

**Related departments**

- All Brain Sciences departments, see list page 51
- All Medical Sciences departments, see list page 105
- All Population Health Sciences departments, see list page 115

**Funding**

Normally several studentships available each year.

Further information on pages 26–31

**Contact details**

Mrs Anne Snowling
EMAIL a.snowling@ucl.ac.uk
TEL +44 (0)20 7608 6968

**Tuition fees**

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

**Further information on pages 26–31**

**Research assessment**

- **2008**: 27
- **2010**: 109
- **2014**: 42

**Further information on pages 26–31**

**Research assessment**

- **2008**: 27
- **2010**: 109
- **2014**: 42

**Further information on pages 26–31**
DIVISION OF 
PSYCHOLOGY AND 
LANGUAGE SCIENCES

The Division of Psychology and Language Sciences undertakes world-leading research and teaching in mind, behaviour, and language.

We provide an outstanding learning environment, with cutting-edge resources including a behavioural neuroscience laboratory, a centre for brain imaging, and extensive laboratories for research in language sciences.

Our research is funded by the UK Research Councils, charities such as the Wellcome Trust, government departments, the EU, and the NHS.

Opportunities for graduate students to work with world-renowned researchers exist in all areas of investigation, from basic processes to applied research.

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### Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full Time</th>
<th>Part Time</th>
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</thead>
<tbody>
<tr>
<td>Cognitive Neuroscience MRes</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Linguistics with specialisation in Phonology MRes</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Linguistics with specialisation in Pragmatics MRes</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Linguistics with specialisation in Syntax MRes</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Speech, Language and Cognition MRes</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Linguistics MA</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Phonetics MA</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Cognitive and Decision Sciences MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Cognitive Behavioural Therapy for Children and Young People MSc (flexible 2-3 years)</td>
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<td>Postgraduate Certificate</td>
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<tr>
<td>Cognitive Neuroscience MSc</td>
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<td></td>
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<tr>
<td>Developmental Psychology and Psychopathology MSc</td>
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<td></td>
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<tr>
<td>Developmental Psychology and Clinical Practice MSc</td>
<td>FT21m</td>
<td></td>
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<tr>
<td>Human-Computer Interaction with Ergonomics MSc</td>
<td>FT1</td>
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<td>Postgraduate Diploma</td>
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<tr>
<td>Postgraduate Certificate</td>
<td>FT3m</td>
<td>PT2</td>
</tr>
<tr>
<td>Industrial/Organisational and Business Psychology MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Language Sciences (with specialisation in Language Development) MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Language Sciences (with specialisation in Linguistics with Neuroscience) MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
</tbody>
</table>

### Entry requirements

Normally a minimum of an upper second-class Bachelor’s degree from a UK university or an overseas qualification of an equivalent standard.

### Career prospects

Our graduates go on to a wide variety of careers and include counsellors and therapists, interpreters, journalists, psychologists, speech and language therapists and translators. Those interested in pursuing careers as educational or clinical psychologists undertake doctoral programmes. Others continue studying towards a PhD in order to pursue an academic career while some study and/or work in business, computer and software design, finance, IT, law, management, publicity and advertising, publishing and teaching.

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### Contact details

For MRes, MA and MSc programmes, please refer to: [www.ucl.ac.uk/psychlangsci/students/prospective/PGT](http://www.ucl.ac.uk/psychlangsci/students/prospective/PGT)

### Tuition fees

Up-to-date tuition fee information is available at [www.ucl.ac.uk/current-students/money](http://www.ucl.ac.uk/current-students/money)

### Funding

Further information on pages 26–31

### Related departments

- Clinical, Educational and Health Psychology, page 57
- Institute of Cognitive Neuroscience, page 58
- Cognitive, Perceptual and Brain Sciences, page 59
- Developmental Science, page 60
- Language and Communication, page 61
- Linguistics, page 62
- Speech, Hearing and Phonetic Sciences, page 63
- UCL Interaction Centre, page 64

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Victoria Edwards
Speech and Language Sciences MSc

I chose UCL because of its high standards, interesting location and challenging programme. When I qualify I intend to gain employment as a speech and language therapist working with adults who have acute communication and swallowing difficulties (longer term within the field of head and neck cancer) and my Master’s is well known within the profession I am entering into.
CLINICAL, EDUCATIONAL AND HEALTH PSYCHOLOGY

We are committed to world-class research applying psychological theory and methods to major problems of health, mental health and education and the effective dissemination of knowledge to the psychology community, to patients and carers.

In the 2008 RAE, we accounted for over 700 peer-reviewed papers during the review period (2001–2007) and £33 million in grant funding.

There is immense international interest in the work of our members of staff and the rate of completed PhDs is impressive.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
<td>T3</td>
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</tr>
<tr>
<td>Doctorate in Clinical Psychology</td>
<td>T3</td>
<td></td>
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<tr>
<td>Doctorate in Educational and Child Psychology</td>
<td>T3</td>
<td></td>
</tr>
<tr>
<td>Doctorate in Educational Psychology</td>
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<td>T4</td>
</tr>
</tbody>
</table>

Research areas are:
• Brain behaviour and cognition
• Clinical psychopharmacology
• Cognitive behaviour therapy (CBT) theory and practice
• Developmental psychology
• Health psychology
• Social, educational and occupational psychology.

Entry requirements

Applicants for the MPhil/PhD should possess a minimum of an upper second-class UK Bachelor’s degree or a taught Master’s degree, or the overseas equivalent, in a relevant subject.

Applicants for the Professional Doctorates should note that additional requirements, including relevant work experience, will apply. UK and EU applications for the Doctorate in Clinical Psychology and UK applications for the Doctorate in Educational and Child Psychology are handled by Clearing Houses.

Career prospects

A majority of PhD students go on to postdoctoral positions and academic careers at institutions including UCL, Oxford University, Macquarie University, Yuan Ze University, Harvard University, Exeter University and the Eugenio Medea Institute. Many graduates of our specialist doctorates go on to become professional practitioners either in the NHS, local councils, charities, in private practice or other settings.

Contact details

MPHIL/PHD and international applicants for Clinical Psychology programme:
Ms Sharinjeet Dhiman
EMAIL s.dhiman@ucl.ac.uk
TEL +44 (0)20 7679 8231

UK/EU applicants for Clinical Psychology programme:
Dr Joshua Stott
EMAIL j.stott@ucl.ac.uk
TEL +44 (0)20 7679 5950

Educational and Child Psychology programmes:
Ms Helen Hosier
EMAIL ed-admin@psychol.ucl.ac.uk
TEL +44 (0)20 7679 5307

Funding

Further information on pages 26–31

Related departments

Cognitive Neuroscience, page 58
Cognitive, Perceptual and Brain Sciences, page 59
Developmental Science, page 60
Epidemiology and Public Health, page 118
This interdisciplinary research institute brings together researchers from different fields with a common interest in the workings of the human mind and brain.

We have £22.6 million in research funding and numerous prizes.

The institute co-locates top researchers from many different disciplines in Queen Square, a London hub for research activity in the field.

We are located next to the unique patient populations of the National Hospital for Neurology and Neurosurgery and to state-of-the-art brain imaging facilities.

Areas of human cognition studied include:
- Attention
- Awareness
- Cognitive control
- Development
- Executive function
- Memory
- Motor control
- Numeracy and literacy
- Social perception
- Spatial cognition
- Speech communication
- Visual cognition
- Visual communication.

Entry requirements

A minimum of a second-class Bachelor’s degree in a relevant subject from a UK university, or an overseas qualification of an equivalent standard, and some relevant research experience.

Career prospects

The vast majority of graduating PhD students have gone on to postdoctoral positions in leading universities such as UCL, Cambridge and Oxford in the UK and UCLA and the University of California, Berkeley in the USA.
We offer an outstanding research and teaching environment providing opportunities for graduate students to work with world-renowned researchers across a wide spectrum of topics.

Our impressive research facilities include functional imaging, TMS, eye-tracking and motion capture, and a multi-modal communication lab, in addition to state-of-the-art equipment for most behavioural research.

There are extensive collaborations with UK and international partners on a range of research projects, with UK Research Council, charitable trust and European funding.

Our staff are involved in the Centres for Human Communication; Economic Learning and Social Evolution; Mathematics and Physics in the Life Sciences and Experimental Biology; Neuroimaging and the Institute of Behavioural Neuroscience.

Research programmes

<table>
<thead>
<tr>
<th>Programmes</th>
<th>FT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil/PhD</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

Research areas are:
- Behavioural neuroscience
- Cognitive neuroscience of language
- Comparative cognition and behaviour
- Deafness, cognition and language
- Language and memory
- Language processing
- Neural basis of spatial cognition
- Reasoning and decision-making
- Social cognition
- Speech production and perception
- Visual perception and modelling.

Entry requirements

Normally a minimum of an upper second-class UK Bachelor’s degree or a taught UK Master’s degree, or the overseas equivalent, in a relevant subject.

Career prospects

Recent graduates have pursued postdoctoral research positions at UCL. Others have found employment in translation, interpreting and speech and language therapy.

Contact details

Ms Antonietta Esposito
EMAIL a.esposito@ucl.ac.uk
TEL +44 (0)20 7679 5332

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Opportunity to apply via the ESRC. Departmental demonstratorships are also available.

Further information on pages 26–31

Related departments

- Clinical, Educational and Health Psychology, page 57
- Cognitive Neuroscience, page 58
- Developmental Science, page 60
- Gatsby Computational Neuroscience, page 93
- Language and Communication, page 61
- Linguistics, page 62
- Speech, Hearing and Phonetic Sciences, page 63
- UCL Interaction Centre, page 64
UCL Developmental Science is a unique interdisciplinary group of developmental scientists and clinicians working in developmental experimental psychology, neuropsychology, psycholinguistics, cognitive neuroscience, developmental disorder and speech and language pathology.

Our facilities comprise special laboratories for infant testing, including EEG and behavioural methods.

Clinical applications include studies of the development of very premature infants, children with autism spectrum disorder, dyslexia, specific language impairments, hearing impairments, and therapeutic interventions.

We benefit from close contact with research departments working on cognitive neuroscience, language, cognition, child neurology and behaviour. Members have many international links with developmental scientists in Europe, the USA, China and Japan.

Research areas include:
- Assessment and intervention for children with speech production difficulties
- Development of language and communication (e.g. in dyslexia)
- Development of language and mathematical skills
- Development of perceptual and attentional abilities in children with autism spectrum disorders
- Development of social communication skills in children with autism spectrum disorder
- Development of the child’s understanding of causality
- Normal and abnormal development of vision: sensory, perceptual, cognitive (including visual attention). This includes the Visual Development Unit (www.psychol.ucl.ac.uk/vdu) with significant research funding from the Medical Research Council.

Entry requirements
Normally a minimum of an upper second-class UK Bachelor’s degree or a taught Master’s degree, or the overseas equivalent, in a relevant subject.

Career prospects
Recent graduates have taken up academic posts at the University of Sheffield and UCL, while others have taken up professional occupations within organisations such as the NHS.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT (Full Time)</th>
<th>PT (Part Time)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil/PhD</td>
<td>FT3</td>
<td>PT5</td>
</tr>
<tr>
<td>Doctorate in Speech and Language Therapy</td>
<td>PT4</td>
<td></td>
</tr>
</tbody>
</table>

Research Assessment 2008
75% (Psychology), 60% (Allied Health) rated 4* or 3* (see page 5)

Maryam Bahakeem
Developmental Science PhD

My field of study is Arabic language acquisition, specifically the speech development of young Saudi children. What is interesting about the field of Arabic-language acquisition is understanding how young Arabic children develop their language, (i.e. the trajectory of the sounds and patterns of errors of young children). In addition, the outcome of this research will be a unique Saudi-Arabic speech test that would help in the diagnosis of children with speech and language disorders and delay.

Contact details
Dr. John Swettenham
EMAIL j.swettenham@ucl.ac.uk
TEL +44 (0)20 7679 4220

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Further information on pages 26–31

Related departments
- Clinical, Educational and Health Psychology, page 57
- Institute of Cognitive Neuroscience, page 58
- Cognitive, Perceptual and Brain Sciences, page 59
- Language and Communication, page 61
UCL Language and Communication supports one of the largest university speech and language therapy programmes in the UK.

We explore the nature, causes and treatment of adult communication disorders. Our research draws on knowledge and methods from many disciplines, including: linguistics, sociology, medical sciences and cognitive neuropsychology.

Applied research is funded by the ESRC, the Department of Health, and voluntary organisations such as Leonard Cheshire Disability and The Stroke Association.

We maintain close links with other UCL academic units including: Developmental Science; Speech, Hearing and Phonetic Sciences; Cognitive, Perceptual and Brain Sciences; Linguistics, and the Institute of Cognitive Neuroscience.

Research areas are:
• Acquired disorders of speech, language, cognition and communication
• Acquired swallowing disorders
• Conversation analysis
• Language, health and disability
• Language of the typically ageing population
• Reflective practice in speech and language therapy training.

The research department has close links with three virtual centres that bring together experts in speech, language and communication research, and promote collaborations with practising speech and language therapists: the Centre for Speech and Language Therapy Research (www.ucl.ac.uk/clth), the Centre for Applied Interaction Research (www.ucl.ac.uk/cair), and the Centre for Human Communication (www.ucl.ac.uk/chc).

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Graduates pursue careers in academic research, applied health research and advanced clinical practice and leadership.

Research programmes
MPhil/PhD
FT3  PT5
Doctorate in Speech and Language Therapy
PT4

Research Assessment 2008
60% rated 4* or 3* (see page 5)

Contact details
MPhil/PhD:
Ms Natalie Wilkins
EMAIL n.wilkins@ucl.ac.uk
TEL +44 (0)20 7679 4245

Doctorate in Speech and Language Therapy:
Ms Kea Young
EMAIL kea.young@ucl.ac.uk
TEL: +44 (0)20 7679 4275

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Further information on pages 26–31

Related departments
Cognitive Neuroscience, page 58
Cognitive, Perceptual and Brain Sciences, page 59
Developmental Science, page 60
Gatsby Computational Neuroscience Unit, page 93
Speech, Hearing and Phonetic Sciences, page 63
**LINGUISTICS**

- UCL Linguistics is eminent for its work in theoretical linguistics, which has attracted significant AHRC funding.
- Our staff carry out research aimed at discovering the nature and origin of the abstract principles and representations that characterise the form and acquisition of human language.
- Forming part of the UCL Division of Psychology and Language Sciences, we are able to offer enhanced opportunities for cross-disciplinary research.
- We encourage and facilitate cross-disciplinary interaction among the full spectrum of UCL staff engaged in research on human language and communication, both theoretical and experimental, and we are involved in extensive collaboration with international research groups.

**Research programmes**

<table>
<thead>
<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
</tr>
</thead>
</table>

The research department is pre-eminent in theoretical linguistics, especially in syntax, semantics and pragmatics, phonology, and normal and abnormal language development.

Research areas include:

- **Language development**: language acquisition (syntax, morphology and lexicon); development of communicative and pragmatic abilities; experimental pragmatics; pragmatics and atypical development
- **Neurolinguistics**: semantic, syntactic and morphological deficits in aphasia; noun-verb differences in different populations
- **Phonology**: relation between phonological representations and the speech signal; syllable typology; phonological variation and change
- **Semantics and pragmatics**: relevance theory; philosophy of language; the semantics/pragmatics interface; formal semantics and pragmatics: foundations of communication; semantic/pragmatic deficits in autism and other syndromes
- **Syntax**: relation between syntax and information structure (topic/focus); interactions between different movement types; syntactic and morphological deficits in aphasia and other syndromes; (research is carried out in a broadly Chomskyian framework).

Research students benefit from a range of training opportunities, offered by the UCL Graduate School, by the research department, and through ACTL (Advanced Core Training in Linguistics), a graduate school in Linguistics (www.actl.ucl.ac.uk).

**Entry requirements**

A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

**Career prospects**

Recent graduates have pursued careers in academic teaching and research in linguistics; high school teaching; the civil service; speech and language therapy (for children and adults); experimental work on children’s language development and artificial intelligence (human-machine interaction).

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**Contact details**

Ms Natalie Wilkins  
EMAIL n.wilkins@ucl.ac.uk  
TEL +44 (0)20 7679 4245

**Tuition fees**

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

**Funding**

One scholarship of £1,000 for MPhil/PhD research and two MA scholarships of £500 to exceptional candidates for graduate study (see page 56 for a list of our MA programmes).

**Further information on pages 26–31**

**Related departments**

- Cognitive, Perceptual and Brain Sciences, page 59
- Developmental Science, page 60
- Language and Communication, page 61
- Speech, Hearing and Phonetic Sciences, page 63
SPEECH, HEARING AND PHONETIC SCIENCES

Our internationally leading research on the perception and production of speech spans the disciplines of phonetics, hearing, perception, neurobiology and computational modelling.

Basic science connects to practical applications addressing hearing impairment, atypical perceptual and cognitive development, language training, and security/forensic technologies.

We share a refurbished building and state-of-the-art laboratory facilities with UCL Developmental Science, Language and Communication, and Linguistics.

We have close ties to the Institute of Cognitive Neuroscience and the UCL Ear Institute, and industrial links with major cochlear implant manufacturers and companies in the speech technology sector.

Research programmes

Prominent research areas are:

- Auditory prostheses for speech communication and the receptive capacity of the impaired auditory system for acoustic and electrical stimulation
- Computational methods for improving the intelligibility of speech recordings
- Neuroimaging investigations of speech processing pathways
- Phonetic variability in connected discourse and its impact on perception
- Plasticity in speech perception during first and second language learning
- Sociophonetic analyses of accent change and development.

Entry requirements

A Master's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have secured academic positions in speech or hearing science in the UK at institutions such as Kingston University, City University, Manchester University, and UCL; and across the world at the University of Canterbury (New Zealand), and University of Washington. They have secured positions in the speech technology industry in companies such as Microsoft and Toshiba UK.

Contact details

Ms Natalie Wilkins
EMAIL n.wilkins@ucl.ac.uk
TEL +44 (0)20 7679 4245

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three-year ESRC scholarships are available for MPhil/PhD applicants who have completed a Master’s programme including appropriate research training. Departmental scholarships are also available to provide partial support for tuition fees.

Further information on pages 26–31

Related departments

Cognitive Neuroscience, page 58
Cognitive, Perceptual and Brain Sciences, page 59
Developmental Science, page 60
Ear Institute, page 52
Language and Communication, page 61
Linguistics, page 62
UCL INTERACTION CENTRE

UCL Interaction Centre (UCLIC) conducts interdisciplinary research on human-computer interaction that spans psychological and computing sciences. The focus is on understanding people and their interactions, and using that understanding to inform design.

We collaborate with both usability companies and users of technology, including hospitals, law firms, news organisations, e-commerce suppliers and control rooms.

Facilities include a standard usability laboratory with eye tracker and a reconfigurable space in which larger scale equipment can be used (e.g. motion capture system) as well as a new Interaction Research Lab with technologies such as touch tables and physical computing kits to support research in ubiquitous computing.

The centre has links with universities in North America, Europe, Japan and New Zealand.

Research programmes

<table>
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<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
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</table>

Current focuses of research include:
- Designing ubiquitous technologies for behavioural change
- Exploring how findings from the human sciences can be represented in ways that readily inform computer system design
- How people make sense of large bodies of information
- In the wild prototyping and user studies of innovative technologies
- Posture recognition for assessing affective state
- The nature of immersion (particularly in computer games)
- Understanding the cognitive basis of human error, visual interactive search, and multi-tasking.

Theoretical understanding from empirical studies is applied and tested through novel interactive systems that are designed to improve the user experience, e.g. reducing errors, improving effectiveness and creating a positive overall user experience.

Entry requirements

Normally a minimum of an upper second-class UK Bachelor’s degree or a taught Master’s degree, or the overseas equivalent, in a subject relevant to human-computer interaction. Such subjects include Psychology, Computer Science, Information Technology, Engineering Design, or other cognitive or applied sciences. Applicants with other qualifications and sufficient relevant experience and background knowledge may be considered.

Career prospects

Recent graduates have either pursued academic careers as researchers and/or lecturers or gone on to work as researchers or consultants for commercial organisations or government agencies. Examples include Senior Lecturer, Universiti Teknologi Petronas, Malaysia, Postdoctoral Research Fellow at the Centre for Health Informatics, University of New South Wales, Australia, Lecturer at the Universidad Politécnica de San Luis Potosí, Mexico, Postdoctoral Researcher at Goldsmiths, University of London and Research Intern at Microsoft Research, USA.

Contact details

Dr Louise Gaynor
EMAIL l.gaynor@ucl.ac.uk
TEL +44 (0)20 7679 0686

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Further information on pages 26–31

Related departments

Clinical, Educational and Health Psychology, page 57
Cognitive Neuroscience, page 58
Cognitive, Perceptual and Brain Sciences, page 59
Computer Science, page 77
Developmental Science, page 60
Language and Communication, page 61
Linguistics, page 62
Speech, Hearing and Phonetic Sciences, page 63
The Bartlett is UCL’s world-leading faculty for multidisciplinary education and research for the built environment. Seven sections cover the full spectrum of built environment domains, including architecture, complex built environment systems, construction and project management, development planning, energy, town planning, space and spatial analysis. It is uniquely situated to exploit London as a laboratory for the study of the urban built environment, and to benefit from drawing in specialist teachers from the city’s leading practices, firms and consultancies.

Architecture 66
Centre for Advanced Spatial Analysis 67
Construction and Project Management 68
Development Planning 69
UCL Energy Institute 70
Graduate Studies 71
Planning 72
ARCHITECTURE

We offer specialisations in architectural and urban design, history and theory, criticism and technology, and place strong emphasis on innovative research across disciplinary boundaries.

Our internationally renowned and award-winning design and research work is published and exhibited at galleries and events worldwide, helping our students become the most sought after in Europe.

An inspiring programme of lectures and seminars by international academics and practitioners through the International Lecture and Exhibition Series, is supplemented by workshops and access to advanced digital fabrication tools.

We are located in central London, a global centre for architectural education, research and practice, in close proximity to an exceptional concentration of built environment firms and related agencies.

The main research areas are:

- **Architectural Design**: architecture; architectural design research; architectural education;

- **Conceptual Design**: building design; architectural technology and fabrication; digital innovations in architecture.

- **Architectural History and Theory**: historical studies of Western architecture and cities post-1800, with particular focus on the 20th century; architectural thought and aesthetics; the history of architectural and urban space; critical theory and architectural history; cities and their representations.

Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of equivalent standard. A Master’s degree or equivalent is highly desirable.

Career prospects

Our graduates find employment in a wide range of careers as built environment professionals as well as in academia, government, public service, policy formation and media worldwide.

The school also offers professional studies courses for architectural training including Professional Practice and Management in Architecture (Part 3) Certificate.

Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of equivalent standard. A Master’s degree or equivalent is highly desirable.

Career prospects

Our graduates find employment in a wide range of careers as built environment professionals as well as in academia, government, public service, policy formation and media worldwide. The Guardian’s 2013 architecture schools league table has placed the Bartlett School of Architecture top, indicating that our graduates have a 97 per cent success rate in finding employment within six months of graduation.

Contact details

Bartlett Graduate Faculty Clerk
EMAIL bartlett.pgclerk@ucl.ac.uk
TEL +44 (0)20 3108 9018/9004/9002

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

All Built Environment funding opportunities are advertised at: www.bartlett.ucl.ac.uk/programmes/applying/funding-and-scholarships

Further information on pages 26–31
The UCL Centre for Advanced Spatial Analysis (CASA) is an interdisciplinary research centre dealing with digital technologies in geography, space and the built environment.

From Smart Cities to Big Data, Urban Modelling and the Internet of Things, CASA is a world leader in the research field.

We currently receive £7 million in research grants on cities and global complexity at a range of scales.

We offer unparalleled opportunities to study in the rapidly developing fields of web-based technologies, GI Science, urban analysis and regional modelling in our MRes.

Entry requirements
A UK Master’s degree, or its equivalent from a recognised international institution, in a relevant discipline such as Geographic Information Systems, Spatial Analysis or a quantitative social science.

Career prospects
Graduates from CASA go on to work in world-leading universities (Arizona State University, University of Hong Kong and Penn State University), where they lecture and set up their own research centres. Graduates moving into the private sector have become key players in geospatial organisations (Transport for London, Dr Foster and AGI) and advisers to large government departments including the Ministries of Defence and Transport, and the Department for Communities and Local Government.

Research activities include:
- **Complexity**: spatial network analysis, scaling and explanatory mechanisms
- **Design and visualisation**: GIS and datavis; CAD, multimedia and 3D models; virtual cities; virtual and augmented realities
- **Geodemographics**: neighbourhood profiling; health; crime; public service delivery
- **ICT in society**: web-based cities; the spatial organisation of the internet; social media; the Internet of Things
- **Simulation**: agent-based models, spatial models, land use transportation models.

Entry requirements
A minimum of an upper second-class Bachelor’s degree in a relevant subject from a UK university or an overseas qualification of an equivalent standard. Applicants with a lower second-class Bachelor’s degree may be considered on their individual merit.

Career prospects
The MRes is designed to equip students with real-world analysis and data visualisation or as a preparation for doctoral study.
CONSTRUCTION AND PROJECT MANAGEMENT

We are world leaders in developing project management into ‘the management of projects’ (MoP). MoP adopts a strategic perspective critically including the early stages of the project lifecycle.

We study project-based enterprises across industries and internationally, and have established a leading reputation in this field specifically in the areas of relationships, marketing and social network analysis.

We have leading expertise in the economics of the built environment with a particular emphasis on micro-economics, procurement and transaction cost economics.

We are expanding our research into infrastructure procurement and operations. This will involve a focus on aspects of funding, financing and the interdependent nature of infrastructure systems.

Career prospects
Graduated PhD students from the school have secured jobs in both major and specialist consultancies as well as academic positions in leading universities both in the UK and overseas.

Entry requirements
A minimum of a lower second-class UK Bachelor’s degree in any built environment, management or related field, or an overseas qualification of an equivalent standard.

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Entry requirements
A minimum of an upper second-class UK Bachelor’s degree, or an overseas qualification of an equivalent standard. A Master’s degree or equivalent is desirable.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Economics and Management MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>(flexible 3-5 years)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infrastructure Investment and Finance MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Project Enterprise and Management MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Strategic Management of Projects MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
</tbody>
</table>

Research activities include:

- **Economics of the built environment**: the future of public finance initiatives/public private partnerships and the microeconomics of construction
- **Infrastructure**: operational performance of social infrastructure, inter-infrastructure public domain performance data analytic comparisons, the role of interdependencies between infrastructure systems
- **Management of projects**: the ‘front-end’ of projects across various project sectors, but with emphasis on industrial projects (e.g. oil and gas, mining)
- **Project-based enterprises**: relational contracting; marketing in the 21st century built environment and the role of social networks in complex supply chains.

Contact details
Bartlett Graduate Faculty Clerk
EMAIL bartlett.pgclerk@ucl.ac.uk
TEL +44 (0)20 3108 9004/9018

Relationships

- **Economics of the built environment**: the future of public finance initiatives/public private partnerships and the microeconomics of construction
- **Infrastructure**: operational performance of social infrastructure, inter-infrastructure public domain performance data analytic comparisons, the role of interdependencies between infrastructure systems
- **Management of projects**: the ‘front-end’ of projects across various project sectors, but with emphasis on industrial projects (e.g. oil and gas, mining)
- **Project-based enterprises**: relational contracting; marketing in the 21st century built environment and the role of social networks in complex supply chains.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree, or an overseas qualification of an equivalent standard. A Master’s degree or equivalent is desirable.

STAFF VIEW
Dr Andrew Edkins
Director, Bartlett School of Construction and Project Management

The Bartlett School of Construction and Project Management combines expertise in both the areas of management and economics as applied to the specific sector of construction and the broader area of the built environment. Our focus is clearly on the projects, players and organisations that operate in this space, with the management and economics of projects and project-based-organisations being at the epicentre. We are very proud to continue to develop the work initiated by Professor Peter Morris on ‘the management of projects’ as being a more strategic and holistic view of what is understood to be ‘project management’ and which has been a theme for the school for many years now.

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
All Built Environment funding opportunities are advertised at: www.bartlett.ucl.ac.uk

Further funding information on pages 26–31

Related departments
All Built Environment departments, see list page 65
Civil, Environmental and Geomatic Engineering, page 76
Management Science and Innovation, page 79
DEVELOPMENT PLANNING

UCL’s Development Planning Unit (DPU) aims to: challenge orthodox development agendas; explore and test progressive approaches to development through action-oriented research and consultancy; and pursue environmental sustainability and social justice in the Global South.

We carry out world-leading urban research in the Global South: infrastructure, local government and communities, focusing on poverty (e.g. coping with climate change in Bangladesh; mobility in Medellín; peri-urban water and sanitation); risk, vulnerability and resilience.

We have strong links with universities and organisations in the Global South (e.g. Indian Institute for Human Settlements; University of Cape Town; Universidad de los Andes, Bogotá; Indian Alliance) and internationally (UN-Habitat).

Research programmes

| MPhil/PhD | FT3 | PT5 |

Research at DPU is clustered as follows:

- **Urban transformations**: democracy and local governance, infrastructure, insurgent urban practices, community-led planning and design
- **Environmental justice, urbanisation and resilience**: peri-urban interface, urban agriculture, vulnerability and risk, environment and infrastructure
- **Diversity, social complexity and planned intervention**: gender in policy and planning, divided cities and post conflict resolution
- **State and market**: Governance and policy in development: livelihoods.

Entry requirements

A UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard. Relevant work experience is highly desirable.

Career prospects

Recent graduating PhD students work in a range of positions, mostly based in the Global South. These include lectureships in leading universities, post-doctoral research projects, international development institutions (e.g. Inter-American Development Bank, Asian Development Bank), government ministries and international non-governmental organisations. Others work in private consultancy firms.
The UCL Energy Institute is a world leader in energy and buildings, energy systems, energy and transport, people and energy, policy and law and smart energy systems research.

You will be joining a community of internationally recognised academics, talented researchers and dedicated students working across six different research themes, allowing for a truly interdisciplinary experience.

The institute has a portfolio of over £10 million in current research grants and consultancy work that provides a cutting-edge to your studies.

We run a vibrant Doctoral Training Programme with over 40 PhD students and a growing portfolio of multidisciplinary taught graduate programmes.

### Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Demand Studies MRes</td>
<td>FT1</td>
</tr>
<tr>
<td>Economics and Policy of Energy and the Environment MSc (flexible 3-5 years)</td>
<td>FT1, PT2</td>
</tr>
</tbody>
</table>

### Entry requirements

- **Energy Studies MRes**: a minimum of an upper second-class UK Bachelor’s degree in a relevant science or related subject, or an overseas qualification of an equivalent standard. Applicants with an appropriate professional qualification and/or relevant work experience in addition to a first degree will also be considered.
- **Economics and Policy of Energy and the Environment MSc**: a good first degree (usually 65%) in economics or an economics-plus programme (i.e. economics major plus a minor in another related subject), a science or engineering subject, or another degree provided that some aptitude (e.g. at A level) has been demonstrated for quantitative analysis.

Applicants with an appropriate professional qualification and/or relevant work experience in addition to a first degree will also be considered.

### Career prospects

Career data for our taught programmes is not yet available.

### Contact details

Ms Jennifer Luk
EMAIL energy@ucl.ac.uk
TEL +44 (0)20 3108 5906

### Funding

The institute often has funded studentships available, visit: [www.ucl.ac.uk/energy](http://www.ucl.ac.uk/energy)

Further information on pages 26–31

### Related departments

- All Built Environment departments, see list page 65
- Civil, Environmental and Geomatic Engineering, page 76
- Economics, page 129
- Law, page 84
- Mechanical Engineering, page 80
- Statistical Science, page 102
- UCL Australia, page 135
UCL’s Bartlett School of Graduate Studies is a world-leading centre of excellence in research and education for the built environment.

Established in 1992, the school brings together scientific and professional specialisms required to research, understand, design, construct and operate the buildings and urban environments of the future.

Our multi-million pound research portfolio draws on internationally renowned researchers, facilities and the latest knowledge to inform our research-led graduate programmes.

Located at the heart of the world’s largest cluster of creative architects and engineering firms, next to the UK’s seat of government and finance with the resources of a world city to hand.

Staff members consistently play crucial roles shaping policy and practice to meet 21st century urban challenges.

Research programmes

<table>
<thead>
<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual Environments, Imaging and Visualisation (VEIV) MRes + EngD (jointly with Computer Science)</td>
<td>FT4</td>
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</tr>
</tbody>
</table>

The main areas of research are:
- **Complex built environment systems**:
  - energy; environmental performance; facilities management; light and lighting; sustainable heritage
- **The UCL Space Group**.

Entry requirements
A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of equivalent standard. A Master’s degree or equivalent is highly desirable.

Career prospects
Recent graduates have joined or worked on major projects with world leading architects, engineering firms and environmental consultancies including: Arup, Atkins Global, Camco, EnergyExcel, Foster + Partners, Zaha Hadid Architects. Alumni have also joined (or founded) cutting-edge emerging digital design practices such as United Visual Artists or Moving Brands.
Our planning education engages with the increasingly international nature of the discipline and of planning theory and practice, reflecting the rich research and cultural diversity already within the school.

Different dimensions of the subject are taught in an integrated fashion, with the complexity exposed and addressed from the start.

Competing objectives, agendas, approaches and limitations of planning are exposed in and made real through a variety of problem-solving activities and real-life scenarios, with our students being pushed to achieve dynamic results.

The main research areas are:

- **Economic development**: diverse aspects of the economy in complex city-regions; processes of industry clustering and innovation; local and regional economic development; impacts of multinational companies; foreign direct investment and trade openness; political economy of urban regeneration

- **Housing, society and culture**: housing design, development and planning; representation of space; questions of identity and the engagement of different groups in space; housing supply; affordability; mix and social cohesion

- **Property and regeneration**: inter-relationship of property markets and planning; effectiveness and sustainability of urban regeneration in the UK, Europe and internationally

- **Spatial planning**: planning systems, policies and processes in the UK, Europe and beyond

- **Sustainable development**: lifestyle, consumption and production; investment and property development; eco-design and planning for climate change

- **Transport and infrastructure**: sustainable modes of travel; inequalities in urban and rural mobility; delivering major infrastructure projects

- **Urban design**: public space design and management; the design dimension of planning; questions of form, type and quality; the value of design.

### Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of equivalent standard. A Master’s degree or equivalent is highly desirable.

### Career prospects

Students completing a research degree have been very successful in gaining subsequent employment. Graduates are expected to take jobs in a wide variety of public and private employers in the UK and abroad, including universities, research institutes, consultancies and government organisations.

Urban Studies MSc is also offered, in conjunction with the Departments of Civil, Environmental and Geomatic Engineering, and Geography, see page 130.

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### Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT2</th>
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</thead>
<tbody>
<tr>
<td>Housing Development MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>International Planning MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>International Real Estate and Planning MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Mega Infrastructure Planning, Appraisal and Delivery MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Planning, Design and Development MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Spatial Planning MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Sustainable Urbanism MSc (flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Transport and City Planning MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<td></td>
</tr>
<tr>
<td>Urban Regeneration MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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</table>

### Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university, or an overseas qualification of equivalent standard. A Master’s degree or equivalent is highly desirable.

### Career prospects

Graduates who are not already employed are expected to take jobs in a wide variety of public and private offices in the UK and around the world, especially in consultancy firms, voluntary sector organisations, and local, regional or national agencies.

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### Related departments

- **Civil, Environmental and Geomatic Engineering**, page 76
- **Engineering**, page 76
- **Geography**, page 65
- **Urban Studies** MSc

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### Funding

- Land Securities Scholarships and Centenary Scholarships are available
- All Built Environment funding opportunities are advertised at: [www.bartlett.ucl.ac.uk/programmes/applying/funding-and-scholarships](http://www.bartlett.ucl.ac.uk/programmes/applying/funding-and-scholarships)
- Further funding information on pages 26–31
Today’s society is faced with many challenges and opportunities, and the disciplines within Engineering Sciences strive to develop ideas, techniques and materials to meet the needs of our world and to improve it. In the past the faculty has made significant contributions to public life in areas as diverse as sanitation, community health, transport, communications, environmental protection and information technology. An excellent infrastructure is provided in new and refurbished facilities and we foster collaborative links within the faculty, across UCL, and with educational and industrial partners around the world, to develop solutions which will improve quality of life for the world’s population.

Biochemical Engineering 74
Chemical Engineering 75
Civil, Environmental and Geomatic Engineering 76
Computer Science 77
Electronic and Electrical Engineering 78
Management Science and Innovation 79
Mechanical Engineering 80
Medical Physics and Bioengineering 81
Security and Crime Science 82
Our graduate programmes are internationally recognised and draw on advances in life sciences and the core discipline of biochemical engineering.

We maintain close teaching and research links with other highly rated UCL departments and with experts from other departments throughout the UK and overseas, and are also involved in close collaborations with industry.

This vibrant department leads in the field and offers an exciting graduate training and research environment.

Independent assessments confirm the excellence and breadth of the department’s taught programmes (IChemE accredited) and place our research programmes at the forefront of international endeavours.

Our research focuses on the following:

- Environment and sustainability: exploiting green biological catalysts for biorefining and high-value pharmaceutical syntheses
- Harnessing genomics: directed evolution, metabolic engineering and synthetic biology can deliver efficient cell systems for producing biopharmaceuticals and enzymes
- Making the outcome affordable: business approaches coupled with engineering paradigms offer new healthcare opportunities
- Processing of complex biological materials: epitomised by the use of human proteins and stem cells for therapy, the challenge is to process materials of increasing complexity to make them available to all who need them
- Speed from discovery to benefit: using small mimics, microfluidics and mathematical models provide process understanding for effective scale-translation enhancing the precision and rate of process development.

Career prospects
Recent graduates have taken up academic posts at UCL, Cancer Research UK and Cambridge University, while others have entered professional occupations within organisations such as BTG, GlaxoSmithKline, Kraft, Lonza, MedImmune, and UCB Celltech.

Entry requirements
A minimum of a second-class Bachelor’s degree from a UK university or an overseas qualification of an equivalent standard. Candidates offering recent industrial experience are encouraged to apply.

Career prospects
Recent MSc graduates have gone on to doctoral research positions both within the department or in other leading research establishments such as the Sanger Institute. Those directly entering professional occupations have, for example, chosen to do so within large multinational companies such as Johnson and Johnson and Eli Lilly or engineering design companies like Jacobs.

Yu-Chia Wei
Biochemical Engineering PhD

Contact details
Research programmes:
Dr Paul Dalby
EMAIL p.dalby@ucl.ac.uk
TEL +44 (0)20 7679 2962

Taught programme:
Dr Daniel Bracewell
EMAIL d.bracewell@ucl.ac.uk
TEL +44 (0)20 7383 7013

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
EPSRC four-year MRes + EngD and BBSRC four-year PhD awards are available.

The Bioprocessing Graduate Scholarship is available to students resident outside the UK and pursuing the MSc or MPhil/PhD research. Contact the department for details.

Related departments
Chemical Engineering, page 75
Structural and Molecular Biology, page 91
CHEMICAL ENGINEERING

We are one of the top research and teaching chemical engineering departments in the UK, achieving world-class standing (RAE 2008).

Core research activities focus on the following themes: Energy and CO2, Sustainable Manufacturing, Health and Environment.

The department hosts the Centre for CO2 Technology and the Electrochemical Innovation Laboratory, which focus on the commercialisation of energy and CO2 technology development.

All our graduate programmes are accredited by the Institution of Chemical Engineers (IChemE).

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil/PhD</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>MRes + MPhil/PhD</td>
<td>4</td>
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<tr>
<td>Engineering EngD</td>
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</tbody>
</table>

The research is divided into three main groups:
• Chemical and catalytic reaction engineering
• Product and process systems engineering
• Multiphase systems.

Within these areas, research expertise includes:
• Catalysis, photo catalysis and electro catalysis
• Cement chemistry and processing
• CFD modelling of multiphase flows
• Data mining and visualisation
• Electrochemical engineering
• Fracture mechanics
• Fuel cells and batteries
• Micro reaction technology
• Molten salts
• Particle technology (crystallisation and fluidisation)
• System modelling and optimisation
• Two phase flow
• X-ray, micro PIV and muon imaging.

Entry requirements

A UK Master's degree in a relevant discipline, or a minimum of an upper second-class MEng degree from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have secured positions in a wide range of industries, from engineering to finance. Examples of organisations include: Shell Exploration and Production, AMEC, Petrofac, Sun Chemicals, M W Kellogg, Procter and Gamble, Barclays Bank, UBS and HSBC. Others have gone on to lecture at UCL.

Taught programme

Chemical Process Engineering MSc | FT1

Contact details

Research programmes:
Dr Paola Lettieri
EMAIL p.lettieri@ucl.ac.uk
TEL +44 (0)20 7679 7867

Taught programme:
Professor Haroun Mahgerefteh
EMAIL h.mahgerefteh@ucl.ac.uk
TEL +44 (0)20 7679 3835

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

The department receives Research Council awards for outstanding research students.

Further information on pages 26–31

Related departments

All Built Environment departments see list, page 65
Biochemical Engineering, page 74
Chemistry, page 96
Civil, Environmental and Geomatic Engineering, page 76
Mathematics, page 98
UCL Australia, page 135
CIVIL, ENVIRONMENTAL AND GEOMATIC ENGINEERING

We equip our students to become instrumental in making the world a better place, whether they become researchers, industrial engineers, planners, investors or policy makers.

Our staff are leaders in their fields and are often called upon to provide detailed knowledge to anyone from the media to industry to policy makers.

Numerous UCL research centres are led from within the department including the PAMELA facility, the CRUCIBLE centre, Bridging the Gaps and EPICENTRE.

Our graduate research programmes support students throughout their research, not only in the details of the research itself but also in essential skills required in a future world-leading career.

- Structural engineering: health monitoring of structures; whole life costing; dynamic behaviour; structural optimisation; deployable structures; earthquake engineering
- Transport studies: sustainable transport, computer-assisted traffic engineering; transport networks; transport safety, transport economics and accessibility.

Entry requirements
A minimum of an upper second-class Bachelor’s degree from a UK university in a subject appropriate to the chosen field, or an overseas qualification of an equivalent standard.

Career prospects
Research students usually embark on academic careers in leading universities around the world, work for world-class engineering companies, or apply their expertise through high-profile policy making institutions.

Contact details
Research programmes:
Ms Liselot Hertel
EMAIL cege-postgraduate-enquiries@cege.ucl.ac.uk
TEL +44 (0)20 7679 3524

Taught programmes:
Mr Mark Fairweather
EMAIL cege-postgraduate-enquiries@cege.ucl.ac.uk
TEL +44 (0)20 7679 2740

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
There are a number of studentships available each year for the Urban Sustainability and Resilience EngD.

Research Council studentships are also available.

The Geographic Information Science MSc has Research Training recognition, with the potential for funding for students who wish to pursue a PhD.

Further information on pages 26–31

Related departments
All Built Environment departments, see list page 65

UCL Australia, page 135

Geography, page 130

Mechanical Engineering, page 80
Our department is a world leader in teaching and research (RAE 2008).

Our Master’s programmes have above average employment rates and starting salaries (HESA Destination of Leavers from Higher Education Survey 2009).

We take an experimental approach to our subject, enjoy the challenge and opportunity of entrepreneurial partnerships and place a high value on our range of industrial collaborations.

Research areas are:

• Bioinformatics: protein structure; genome analysis; transmembrane protein modelling; de novo protein design methods; exploiting grid technology; mathematical modelling of biological processes
• Financial computing: software engineering; computational statistics and machine learning; mathematical modelling
• Human centred systems: usability of security and multimedia systems; making sense of information; human error and cognitive resilience
• Information security: cryptography; digital watermarking; cryptanalysis; steganography
• Intelligent systems: knowledge representation and reasoning; machine learning
• Media futures: digital rights management; information retrieval; computational social science; recommender systems
• Networks: internet architecture; protocols; mobile networked systems; applications and evolution; high-speed networking
• Software systems engineering: requirements engineering; software architecture; middleware technologies; distributed systems; software tools and environments; mobile computing
• Virtual environments: presence, virtual characters; interaction; rendering; mixed reality
• Vision and imaging science: face recognition; medical image analysis; statistical modelling of colour information; inverse problems and building mathematical models for augmented reality; diffusion tensor imaging.

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard. Work experience may also be taken into account.

Career prospects

Recent graduates have taken up academic posts at Cambridge and Yale Universities. Others have taken up posts with global companies such as Microsoft and IBM.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT2</th>
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<tbody>
<tr>
<td>Web Science and Big Data Analysis MRes</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Computational Statistics and Machine Learning MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Computer Graphics, Vision and Imaging MSc</td>
<td>FT1</td>
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<tr>
<td>Computer Science MSc</td>
<td>FT1</td>
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<tr>
<td>Financial Computing MSc</td>
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<tr>
<td>Financial Risk Management MSc</td>
<td>FT1</td>
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<tr>
<td>Financial Systems Engineering MSc</td>
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<td></td>
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<tr>
<td>Information Security MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Machine Learning MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Networked Computer Systems MSc</td>
<td>FT1</td>
<td></td>
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<tr>
<td>Software Systems Engineering MSc</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Web Science and Big Data Analysis MSc</td>
<td>FT1</td>
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</tbody>
</table>

Entry requirements

- Computer Science MSc: a minimum of a second-class UK Bachelor’s degree, in subjects other than computing or information technology, or an overseas qualification of an equivalent standard. Financial Computing MSc: a minimum of an upper second-class UK Bachelor’s degree, in subjects other than computing or information technology, or an overseas qualification of an equivalent standard. A level Mathematics, or its equivalent, and one module of programming is also required for both programmes.

- All other programmes: a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard. Relevant work experience may also be taken into account. Financial Risk Management MSc: a strong quantitative component evidenced by good performance (>60% in mathematics, statistics or computation).

Career prospects

Recent graduates have gained positions with technology companies such as Siemens and BAE. Others have entered the financial sector with companies such as Citigroup and Goldman Sachs.
The department houses world-class facilities including an anechoic chamber, molecular beam epitaxy and laboratories for high-speed measurement, converged networks and systems, nanotechnology and broadband teaching.

Our ethos of constant development and innovation continues a tradition inspired by Professor Sir Ambrose Fleming, inventor of the thermionic valve and founder of the discipline of electronics.

The department is a major contributor to the London Centre for Nanotechnology, a joint venture between UCL and Imperial College London.

We maintain strong industrial links in all our postgraduate activities and much of our research is funded through the UK Research Councils, the EU and industry in the UK and overseas.

Research areas are:

- Communications and information systems: telecommunication networks and services; wireless communications; IP networks; sensor networks; information security and retrieval
- Electronic materials and devices: optical materials and electronic devices; quantum nanoelectronics; diamond electronics; laser processing
- Optical networks: optoelectronic devices and systems; large scale optical networks; dense WDM optically routed networks; optical packet networks; high speed optical systems
- Photonics: ultrafast photonic devices; wireless over fibre devices and systems; photonic generation of THz signals; advanced liquid crystal devices; uncooled and coherent wavelength division multiplex technology
- Sensors, systems and circuits: radar and sonar; antennas and EM modelling; medical electronics; RFID systems; IC design.

Entry requirements

A UK Master's degree, or a minimum of an upper second-class UK Bachelor's degree, or an overseas qualification of an equivalent standard. The qualification may be in any relevant subject, e.g. electronic engineering, communication engineering, computer science, chemistry, materials science (the latter two for electronic materials research).

Career prospects

Many of our recent PhD graduates have taken up positions as postdoctoral researchers at leading universities, whilst others continue their research careers in industry (Nokia UK, Qinetiq). A significant number use the PhD as a stepping stone to careers in other sectors, including management consultancy and finance. Several have started up their own businesses and become successful entrepreneurs.

Taught programmes

- Photonics Systems Development MRes: FT1
- Telecommunications MRes: FT1
- Internet Engineering MSc: FT1
- Nanotechnology MSc: FT1 PT2
- Telecommunications MSc: FT1
- Telecommunications with Business MSc: FT1 PT2
- Wireless and Optical Communications MSc: FT1

Entry requirements

Telecommunications with Business MSc: normally a minimum of an upper second-class UK Bachelor's degree in a relevant discipline or an overseas qualification of an equivalent standard. Individuals with significant industrial experience (and without such a qualification) may also be considered.

All other programmes: a minimum of an upper second-class UK Bachelor's degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects

Graduates from these programmes can be found in a range of industrial roles in the UK and abroad. For example, specialist engineering posts at BT, France Telecom, Motorola or Cisco Systems, in technical consultancy positions, or in the financial sector. Many of our recent graduates have decided to continue their education by undertaking business-related qualifications, such as MBAs, or choose a research career by completing a PhD, either within UCL or at other leading international institutions.

Contact details

Research programmes:
EMAIL: ggenquiries@ee.ucl.ac.uk
TEL: +44 (0)20 7679 7304

Taught programmes:
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TEL: +44 (0)20 7679 7300

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

A number of competitive EPSRC studentships are normally available for candidates liable to pay fees at the UK/EU rate. The Institution of Engineering and Technology (IET) also awards competitive scholarships for graduate study, see www.theiet.org

Related information on pages 26–31

Related departments

Computer Science, page 77
UCL Australia, page 135
Space and Climate Physics, page 101
MANAGEMENT SCIENCE AND INNOVATION

We offer a unique research and education programme with a focus on technology management, innovation, the creation and growth of technology-intensive organisations, operations research, and entrepreneurship.

Our taught degrees incorporate learning activities and industrial experience that will help develop internal organisational management skills, commercial competencies, and a high degree of creativity.

We offer innovative programmes to prepare scientists, engineers, physicians, and other innovators for leadership roles in the next generation of technology-intensive organisations.

Our doctoral programme helps to prepare leading researchers for success in academic careers.

Research programmes

| MRes + MPhil/PhD | FT4 |

Research is arranged around two major areas:

- Management science and operations research: applying theories and methods from operations research; management science; statistics; economics; organisational behaviour and applied mathematics to develop knowledge; tools and methods required to make strategic and operational decisions, and to shape policies.

- Technology and innovation management: applying theories and methods from strategic management; organisational behaviour; sociology; psychology and economics to study business strategies of innovation-intensive organisations; organisational structures and processes in innovation-intensive organisations, diffusion of innovations; social network analysis and creativity.

Entry requirements

A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard. Applicants are also required to have taken the Graduate Management Admissions Test (GMAT) or the Graduate Record Examinations (GRE) General Test.

Career prospects

Our PhD graduates aspire to pursue academic careers in top business schools or in engineering departments of world-class universities.

Taught programmes

| Management Science and Innovation MRes | FT1 |
| Management MSc | FT1 PT2 |
| Technology Entrepreneurship MSc | FT1 PT2 |

The MRes component is not a stand-alone programme and applicants are expected to commit themselves to the four-year integrated MRes + MPhil/PhD programme.

Entry requirements

- Management Science and Innovation MRes: a first-class UK Bachelor’s degree in business, science, engineering, mathematics, statistics, or a related subject, or an overseas qualification of an equivalent standard.
- Management MSc: a minimum of an upper second-class UK Bachelor’s degree in any subject or an overseas qualification of an equivalent standard.
- Technology Entrepreneurship MSc: normally a minimum of an upper second-class UK Bachelor’s degree in technology, engineering, medicine or mathematics, or an overseas qualification of an equivalent standard. Candidates with alternative qualifications may be considered and should seek advice from the department.

Career prospects

The Management MSc is designed to equip students with the knowledge and skills to work for leading worldwide organisations. Students are supported to make a career plan and secure employment in an increasingly competitive job market. Graduates take up careers in diverse commercial sectors including finance, consulting and technology.

Technology Entrepreneurship MSc: students go on to form their own start-up businesses such as www.wowzer.com and www.vungle.com.

Contact details

Management MSc: Ms Sally Watson
EMAIL sally.watson1@ucl.ac.uk
TEL +44 (0)20 7679 3489

All other graduate programmes: Mr Adrian Smith
EMAIL a.j.smith@ucl.ac.uk
TEL +44 (0)20 7679 1014

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

A Santander Universities Scholarship, worth £5,000, open to UK-domiciled students on the Management MSc.

Further information on pages 26–31
MECHANICAL ENGINEERING

UCL Mechanical Engineering pioneered many initiatives such as the first teaching laboratories in the subject, and has developed research areas from patent laws to ship dynamics.

Our facilities include an extensive workshop, four engine test cells, fluid mechanics laboratories, a power laboratory and wave tanks.

With funding from the Royal Society and Wolfson Foundation, we have installed six biomaterials and bioengineering laboratories.

With an international reputation for the excellence of our research, we attract funding from numerous bodies including: the EU, UK Research Councils, UK Ministry of Defence, US Office of Naval Research, BAE Systems, Danish Agency for Science, Technology and Innovation, Cosworth Technology, Ebara, Jaguar Cars, Shell, Lloyds Register, BMT, the LRET and Unilever.

Research programmes

| MPhil/PhD | FT3 | PT5 |
| Healthcare Engineering for an Ageing Population (HEAP) | FT4 |
| MRes + MPhil/PhD | |

The department's research activities are based on three main groups:

- **Biomedical engineering**: biomaterials, encapsulation; tissue engineering; biofluidics and CFD; biophysics; cardiovascular engineering; medical devices and mechatronics; ultrasonics and non-destructive evaluation
- **Energy and environment**: IC engines and fuel systems; fluid mechanics and microfluidics; refrigeration and air-conditioning; turbomachinery; CFD, and environmental and pollution modelling
- **Marine**: naval architecture; marine vehicle applications and design methods; renewable energy; electric propulsion and power systems; electric ship/submarine; computer-aided design; novel ship types and low carbon shipping.

Entry requirements

Normally a UK Master's degree, or a minimum of an upper second-class Bachelor's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have entered professional occupations in the UK and overseas with leading industrial and shipping companies (e.g. Technip UK Ltd, DNV, Mahle Powertrain Ltd), technical consultancies and government agencies. Others have pursued postdoctoral research and lectureships at UK and overseas institutions.

**Taught programmes**

- Biomaterials and Tissue Engineering MSc
- Engineering with Finance MSc
- Engineering with Innovation and Entrepreneurship MSc
- Marine Engineering MSc (Mechanical and Electrical Options)
- Mechanical Engineering MSc
- Naval Architecture MSc
- Power Systems Engineering MSc

Entry requirements

A minimum of a second-class Bachelor's degree from a UK university in a suitable engineering subject (or appropriate medical qualification for the Biomaterials and Tissue Engineering MSc) or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have entered professional occupations in the UK and around the world with leading industrial companies in the UK and overseas (e.g. Health Information UK, Veloxis Pharmaceuticals, General Electric, Lloyds Register, EDF, and Gaz de France), technical consultancies (e.g. MOTT MacDonald Consultancy) and government agencies (e.g. Royal Navy, Ministry of Defence, UK NHS). Others have pursued doctoral study at UCL and other universities.

Contact details

Research programmes: Ms Charlotte Reisch
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TEL +44 (0)20 7679 3907

Taught programmes: Ms Charlotte Reisch
EMAIL MSc_admissions@meng.ucl.ac.uk
TEL +44 (0)20 679 3907

Tuition fees

Up-to-date tuition fee information is available at [www.ucl.ac.uk/current-students/money](http://www.ucl.ac.uk/current-students/money)

Funding

Industrially funded studentships may be available for suitably qualified research applicants. There are also departmental bursaries to cover tuition fees partially or in full for UK/EU research applicants.

Further information on pages 26–31
MEDICAL PHYSICS AND BIOENGINEERING

- The spectrum of medical physics activities undertaken by our department is one of the broadest in the UK.
- Students have access to an exceptionally wide range of workshop, laboratory and clinical facilities in the department and associated hospitals.
- Research focuses on the development of new ideas and inventions, as well as their translation into clinically effective tools, and subsequent commercial exploitation.
- Our MSc programmes are accredited by the Institute of Physics and Engineering in Medicine (IPEM).

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full-time</th>
<th>Part-time</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
<td>FT3</td>
<td>PT5</td>
</tr>
<tr>
<td>MRes + MPhil/PhD</td>
<td>FT4</td>
<td></td>
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</tbody>
</table>

Research areas are:
- Biomedical optics
- Computing, digital image processing
- Continence and skin technology
- Functional electrical stimulation
- Implanted devices
- Laser and endoscopic surgery
- Magnetic resonance imaging and spectroscopy
- Medical imaging including 3D graphics
- Neurophysiology including electrical impedance tomography
- Physiological sensing
- Radiation physics.

Entry requirements

A minimum of an upper second-class UK Bachelor's degree in a relevant discipline, or an overseas qualification of an equivalent standard.

Career prospects

As a multi-disciplinary subject at the interface of physics, engineering, life sciences and computer science, our research students find themselves tackling problems over three or more of these areas. Some of our recent graduates have stayed within their field of study for postdoctoral research whilst others have moved deeper into one of the subject areas to continue their research. Whilst many graduates pursue a research career in either a university or industry, there are a number that have entered the NHS or have applied the skills gained in industry.

Taught programmes

- Medical Image Computing MSc FT2 PT2
- Physics and Engineering in Medicine: Biomedical Engineering and Medical Imaging MSc Postgraduate Diploma FT1 PT2
- Physics and Engineering in Medicine: Radiation Physics MSc Postgraduate Diploma FT1 PT2
- Physics and Engineering in Medicine (by Distance Learning) MSc Postgraduate Diploma (flexible up to 5 years) PT2

Entry requirements

A minimum of a second-class Bachelor's degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Our graduates will typically enter the healthcare profession as a clinical scientist or continue in full-time education to study for a PhD. Those becoming clinical scientists will often work in hospital radiotherapy or diagnostic imaging departments.

Contact details

Miss Mohini Nair
EMAIL enquiries@medphys.ucl.ac.uk
TEL +44 (0)20 7679 0200

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Further information on pages 26–31
SECURITY AND CRIME SCIENCE

Security and Crime Science (SCS) uses evidence-based techniques to prevent and control crime and security problems, and to detect offenders.

SCS is devoted to reducing crime and terrorism through teaching, research and public policy analysis.

The department has strong links with security practitioners and policy makers as well as researchers and institutions worldwide.

It is multi-disciplined in its approach and draws on both the social and physical sciences including psychology, geography, computer science, engineering and mathematics.

Career prospects

Graduates from our research programmes go on to research careers and to lecturing posts in academic institutions. Others have taken up policy-related positions in the public and private security sectors.

Tuition programmes

| Countering Organised Crime and Terrorism MSc | FT1 |
| (flexible 2-5 years) | 
| Postgraduate Diploma  | FT1 |
|  | (flexible 2-5 years) |
| Crime and Forensic Science MSc | FT1 |
| Postgraduate Diploma  | FT1 |
|  | (flexible 2-5 years) |
| Security and Crime Science Postgraduate Certificate | FT1 |
|  | (flexible up to 2 years) |

Entry requirements

Normally, a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Relevant disciplines include science subjects (e.g. engineering or computer science); or social science subjects (e.g. psychology, criminology or geography). Alternatively candidates may qualify for entry if they can demonstrate five or more years of relevant professional experience (e.g. example, in the police service, or as a crime prevention worker).

Career prospects

Recent graduates have pursued PhD degrees, or joined higher education institutions, think-tanks or international bodies in teaching or research positions. The majority, however, pursue careers in international bodies in teaching or research positions. The majority, however, pursue careers in law enforcement in the broadest sense; joining police forces or local authorities as crime analysts, law enforcement in the broadest sense; joining international bodies in teaching or research positions. The majority, however, pursue careers in law enforcement in the broadest sense; joining police forces or local authorities as crime analysts, law enforcement in the broadest sense; joining police forces or local authorities as crime analysts.

Research programmes

| MPhil/PhD | FT3 |
| Security Science MRes + MPhil/PhD | FT4 |

The department has five main research groups:

• Counter-terrorism: situational prevention of terrorism; technology for counter-terrorism; transferable training between crime and terrorism
• Crime mapping: innovation in crime mapping methods; prospective crime mapping
• Crime policy analysis and evaluation: evaluation of crime prevention schemes; knowledge transfer
• Designing out crime: role of design in crime prevention; environmental design; crime risk and administrative procedure design
• Forensic sciences: blood pattern analysis; gunshot residue analysis; investigation of explosions.

SCS hosts the £17million UCL Security Science Doctoral Research Training Centre (UCL SECreT), the national centre for PhD training in security and crime science. The centre offers the most comprehensive four-year PhD programme for students wishing to pursue multi-disciplinary security or crime-related research.

Entry requirements

MPhil/PhD: a UK Master’s degree in a relevant discipline, or a minimum of an upper second-class UK Bachelor’s degree, or an overseas qualification of an equivalent standard.

Security Science MRes + MPhil/PhD: a minimum of an upper second-class UK Bachelor’s degree or an overseas qualification of an equivalent standard. Candidates with a UK Master’s in a science-based subject, or an overseas qualification of an equivalent standard are encouraged to apply.

Contact details

Research programmes: Ms Kati Carter EMAIL k.carter@ucl.ac.uk TEL +44 (0)20 3108 3121

Taught programmes: Ms Catherine Wheatcroft EMAIL c.wheatcroft@ucl.ac.uk TEL +44 (0)20 3108 3206

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

UCL Security and Crime Science and the UCL JDI Centre for the Forensic Sciences are offering up to 10 bursary scholarships that will pay between 25%–100% of the tuition fee for one of our MSc programmes.

Thirteen EPSRC scholarships for the UCL SECreT four-year MRes + MPhil/PhD in Security Science paying full UK/EU fees and an annual tax-free stipend of £17,000. See www.ucl.ac.uk/secret for details.

Further information on pages 26–31

As a Captain with the Military State Police of Mato Grosso, Brazil, I’ve had the chance to understand better my own experiences in the field from an academic perspective. I’ve been able to study organised crime and terrorism in depth and the different approaches and techniques to tackle them. I want to apply my skills, experience, and knowledge to two major international events that Brazil is hosting: the 2014 FIFA World Cup and the 2016 Rio de Janeiro Olympic Games. I intend to return to the police and serve my community. I want to help Brazil to provide the most secure international sporting events in the history of FIFA and the IOC.

Alessandro Souza Soares
Countering Organised Crime and Terrorism MSc
The Faculty of Laws is committed to rigorous, multi-disciplinary and innovative study of law in all its dimensions, with particular attention to the global context in which law increasingly operates. Our top-rated research is valued not only for its contribution to the quality of our teaching and our supervision for research students, but also for its contribution to the development of law and its influence on legal practice and public policy. Our London base provides a positive opportunity to draw on the resources of a city that is the UK’s centre of government, law, commerce, finance and culture.
UCL Laws is a faculty of eminent academic legal experts, engaged in cutting-edge legal research.

Our global learning environment has graduate students from over 70 countries.

Our rich intellectual environment is enhanced by a full programme of events, lectures and seminars, with contributions from world-leading experts, which is open to all our staff and students.

Entry requirements
A minimum of a first-class UK Bachelor’s degree in an appropriate subject (or upper second-class UK Bachelor’s degree with evidence of first-class ability), or an overseas qualification of an equivalent standard.

In addition, a recognised LLM or equivalent Master’s degree awarded at distinction level or an overseas qualification of an equivalent standard.

Career prospects
Recent PhD graduates have progressed to careers in academia, law reform and international tribunals; examples include Legal Officer with the Australian Law Reform Commission; Lecturer at the National University of Singapore; and Counsel at the European Court of Human Rights.

Taught programme
Law LLM
(flexible up to 5 years)

The LLM programme provides a platform for students who wish either to acquire expertise in subject areas that are central to an understanding of how law works in a global environment or who wish to pursue doctoral studies at a later date.

A long and varied list of courses is offered, with an opportunity to take grouped courses for the award of the LLM with a named specialisation.

Entry requirements
A minimum of a first-class UK Bachelor’s degree in Law, (or a good upper second-class UK Bachelor’s degree with evidence of first-class ability), or an overseas qualification of an equivalent standard. Graduates with an upper second-class UK Bachelor’s qualifying law degree and substantial experience may also apply.

Graduates whose first degree is not in Law will be considered for admission if they have an upper second-class UK Bachelor’s degree, or overseas equivalent, and at least a good Merit pass in the Common Professional Examination (Graduate Diploma in Law) recognised by the UK professional bodies.

Career prospects
Many graduates pursue legal practice privately or with governmental (UK Ministry of Defence; Government of Hong Kong) or non-governmental (Office of Fair Trading; Commission for Racial Equality) bodies. Some pursue advanced research degrees and go on to choose academic careers.
The Faculty of Life Sciences undertakes world-leading research and teaching, which combines the strengths of UCL’s basic biological and preclinical sciences. Our work attracts staff and students from around the world and together they create an outstanding and vibrant environment for both students and researchers. Internationally recognised scientists running laboratories in individual research departments provide expert teaching and outstanding research training opportunities in all aspects of molecular, cellular, whole organism and population biology. Collaborations within the faculty and with other UCL faculties and national research bodies extend the traditional subject boundaries to provide exciting new training opportunities in interdisciplinary research areas of strategic importance.

### Division of Biosciences
- Cell and Developmental Biology
- Genetics, Evolution and Environment
- History of Medicine
- Neuroscience, Physiology and Pharmacology
- Structural and Molecular Biology

### School of Pharmacy

### Faculty Institutes
- Gatsby Computational Neuroscience Unit
- Laboratory for Molecular Cell Biology
- CoMPLEX (Centre for Mathematics and Physics in the Life Sciences and Experimental Biology)
DIVISION OF BIOSCIENCES

UCL Biosciences is one of the largest multi-disciplinary research environments in the UK with over 120 research active laboratories.

We provide Master’s and PhD programmes in areas ranging from structural biology through to development, neuroscience, genetics and biology of organisms.

State-of-the-art facilities enhance the research environment and provide students with opportunities to enhance their academic skills.

Our excellence is founded on the legacy of Nobel Prizes awarded to six of our alumni: Black, Evans, Hill, Huxley, Katz, and Medawar.

Research programme

<table>
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<tr>
<th>PhD</th>
<th>FT4</th>
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</table>

The four-year London Interdisciplinary Biosciences PhD comprises taught courses and two four-month laboratory rotations in the first year. Students are involved in a range of interdisciplinary research projects that involve collaborations between supervisors drawn from across UCL.

Entry requirements

A minimum upper-second class UK Bachelor’s degree in a relevant subject or an overseas qualification of an equivalent standard. Applicants should be confident using computers and show some evidence of numeracy.

Career prospects

Students graduating from this programme will have the multidisciplinary skills necessary for a leading academic research career as well as for a career in the bioscience and biotechnology-based industries.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodiversity, Evolution and Conservation MRes</td>
<td>FT1</td>
</tr>
<tr>
<td>Biosciences MRes</td>
<td>FT1</td>
</tr>
<tr>
<td>Synthetic Biology MRes</td>
<td>FT1</td>
</tr>
<tr>
<td>Systems Biology MRes</td>
<td>FT1</td>
</tr>
<tr>
<td>History of Medicine MA</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>Biomedical Sciences MSc</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>Genetics of Human Disease MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>Neuroscience MSc</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>Pharmacogenetics and Stratified Medicine MSc</td>
<td>FT1</td>
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</tbody>
</table>

Entry requirements

History of Medicine MA: normally an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

MRes and other MSc programmes: normally, a minimum of an upper second-class UK Bachelor’s degree in biomedical sciences, life sciences or a related subject area, or a medical degree (MBBS), or an overseas qualification of an equivalent standard. Applicants with an appropriate professional qualification and relevant work experience may also apply.

Career prospects

Recent Biosciences MRes graduates have gone onto study PhDs at UCL and other universities in the UK and Spain. Others have pursued careers as a research technician, in law and clinical psychology.

Recent History of Medicine MA graduates have gone on to study MPhils or PhDs in medicine stem cell research in the UK and overseas, or have taken up academic positions in the UK. Others have pursued medical careers in ophthalmology, clinical trials and elsewhere in the NHS.

Recent Genetics of Human Disease MSc graduates have gone on to study PhDs in the field, or continue with related research. Others have pursued careers in medicine or within pharmaceutical companies.

Many Neuroscience MSc graduates go on to funded PhD places, within UCL or one of its affiliated organisations, or other universities in the UK (e.g. Imperial College London, Bristol, Edinburgh, Reading) or overseas (e.g. Pittsburgh). Others have gone on to employment in related fields, e.g. hospital work or the pharmaceutical industry, whilst others have taken up careers in teaching or work in unrelated fields, such as computing.

Careers data from our Biodiversity, Evolution and Conservation MRes, Synthetic Biology MRes, Systems Biology MRes, Biomedical Sciences MSc and Pharmacogenetics and Stratified Medicine MSc programmes is not yet available.
CELL AND DEVELOPMENTAL BIOLOGY

The Research Department of Cell and Developmental Biology brings together leading international experts in cell, developmental and evolutionary biology including stem cells and regeneration.

The field is one of the fastest growing and most exciting in biomedical research, and among UCL’s greatest strengths.

We have superb imaging facilities and the largest zebrafish genetics facility in the UK.

The Wellcome Trust-funded PhD in Developmental and Stem Cell Biology and the UCL Centre for Stem Cells come together here and offer unique opportunities for students in translational and industrial applications.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full-time</th>
<th>Part-time</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
<td>FT3</td>
<td>PT5</td>
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<tr>
<td>PhD</td>
<td>FT4</td>
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</table>

PhD programmes are available for three years in a single laboratory or four years including rotations between different laboratories in the first year to provide the basis for an informed choice for the research project in years two to four. The research department hosts several series of regular seminars with internationally renowned speakers.

Research areas are:

- Biological clocks/sleep
- Cell fate determination and pattern formation
- Cell migration
- Cell signalling and signal transduction mechanisms
- Early development (e.g. fertilisation, gastrulation, embryonic induction)
- Evolution and development
- Intracellular movements: endocytosis, exocytosis, RNA, protein, lipid and organelle traffic
- Left-right asymmetry
- Live imaging
- Neural development and neural cell biology
- Neuroaesthetics
- Regeneration and repair
- Stem cell biology
- Wound healing.

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in an appropriate subject or an overseas qualification of an equivalent standard, or a recognised Master’s degree in an appropriate subject.

Career prospects

Recent graduates have taken up postdoctoral positions: in the UK at UCL, King’s College London and the University of Cambridge, and across the world at the MDC in Berlin, the University of Bordeaux, Stanford University, Temple University in Philadelphia and the Memorial Sloan Kettering Center in New York. Others have continued medical studies or taken up research and teaching positions at the National Science Museum in Japan, Mahidol University in Bangkok and Abbott Labs in Athens.

Contact details

Mrs Debbie Bartram
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TEL +44 (0)20 7679 3334

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Across the division there are three Wellcome Trust four-year programmes and one MRC four-year programme; MRC, BBSRC four-year PhD, BBSRC quota and CASE three- and four-year studentships; NERC, and others. There may also be funding opportunities through individual research grants as well as through other programmes such as those offered by CoMPLEX.

Further information on pages 26–31

Related departments

Genetics, Evolution and Environment, page 88
History of Medicine, page 89
Neuroscience, Physiology and Pharmacology, page 90
Structural and Molecular Biology, page 91
The Research Department of Genetics, Evolution and Environment (GEE) carries out world-class research and promotes an integrative approach to understanding biological systems at functional and genomic levels.

We provide an enabling environment with excellent research facilities, analytical equipment and specialised laboratories.

Staff play significant roles in the Centres for Ecology and Evolution; Genetic Anthropology; Mathematics and Physics in the Life Sciences and Experimental Biology, the Environment Institute and the Institute of Healthy Ageing.

GEE is also home to the UCL Genetics Institute, which applies biostatistical analysis and bioinformatic approaches to the genetics of clinical disease.

Research programmes

MPhil/PhD

<table>
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<tr>
<th>FT3</th>
<th>PT5</th>
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Research areas are:

- Biodiversity and environmental biology
- Biology of ageing
- Computational biology
- Evolutionary genetics
- Evolution and development
- Human genetics and human evolution
- Systems biology

Entry requirements

A minimum of an upper second-class UK Bachelor's degree in an appropriate subject, or an overseas qualification of equivalent standard.

Career prospects

Recent graduates have taken up academic posts at various universities and research institutes across the globe at UCL, King’s College London, Universities of California, Michigan, Bristol and Dundee and the Museum National d’Histoire Naturelle, Paris. Others have entered professional occupations within organisations such as the Zoological Society of London, Natural England and GlaxoSmithKline.

Contact details

Ms Manu Davies
EMAIL: manu.davies@ucl.ac.uk
TEL: +44 (0)20 7679 7033

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Across the division there are three Wellcome Trust four-year programmes and one MRC four-year programme; MRC, BBSRC four-year PhD, BBSRC quota and CASE three- and four-year studentships; NERC; and others. There may also be funding opportunities through individual research grants as well as through other programmes such as those offered by CoMPLEX.

Further information on pages 26–31

Related departments

- Cell and Developmental Biology, page 87
- CoMPLEX, page 103
- History of Medicine, page 89
- Neuroscience, Physiology and Pharmacology, page 90
- Structural and Molecular Biology, page 91

Antonia Ford

Genetics, Evolution and Environment MPhil/PhD

I am studying the evolutionary relationships of East African cichlid fish, which exhibit fast speciation rates and remarkable diversity, and so are of particular interest in examining adaptation and diversification. GEE provides a supportive and inspiring environment for postgraduate research, as well as collaborative links to other UCL departments, London institutions, and beyond.

Antonia Ford

Genetics, Evolution and Environment MPhil/PhD

I am studying the evolutionary relationships of East African cichlid fish, which exhibit fast speciation rates and remarkable diversity, and so are of particular interest in examining adaptation and diversification. GEE provides a supportive and inspiring environment for postgraduate research, as well as collaborative links to other UCL departments, London institutions, and beyond.
The UCL Centre for the History of Medicine is a leading site for research and teaching in the subject.

The centre is located in close proximity to the Wellcome Library for the History of Medicine, the British Library, and other major collections in the capital.

It maintains an active programme of seminars and workshops.

Research programmes

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<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
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</table>

Research areas are:
- Cultural history of madness, particularly in relation to ethnicity and infectious disease systems
- Historiography and historical epistemology
- History of neurology and neuroscience
- Oral history
- Visual culture.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
We expect our graduates to pursue a career in higher education, museum, library or archival work and journalism. Recent graduates have taken up academic posts at the Universities of Lisbon, Grenoble and Tokyo.

The ways in which health and illness are understood and negotiated reflect deeply upon the culture they are embedded in, speaking to religion, gender and economics, to name just a few things. Thus medicine is a significant part of society that must always be considered if we wish to understand the past. Furthermore, we must look to the past to help us to understand our own present day experiences of health and illness. I am passionate about this subject and about what it can teach students and I hope to pursue a career as a medical historian once I finish my PhD. My biggest passion outside of work is music. While unfortunately I don’t have time to play in a band anymore (I used to play bass guitar in an indie-folk band!) going to gigs still gives me great pleasure and is one of my favourite ways to relax after a stressful day!

Contact details
Research programmes:
Professor Roger Cooter
EMAIL r.cooter@ucl.ac.uk
TEL +44 (0)20 7679 3204

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Further information on pages 26-31

Related departments
Biosciences, page 86
History, page 131
Science and Technology Studies, page 100
NEUROSCIENCE, PHYSIOLOGY AND PHARMACOLOGY

The Research Department of Neuroscience, Physiology and Pharmacology (NPP) includes the majority of UCL’s basic neuroscience community, with broad interests in the nervous system and signalling.

The range of expertise is vast, spanning molecular and structural neuroscience through to cellular and systems neuroscience, including aspects of translational research, such as pain.

Grant income is about £11 million each year with many collaborations established within UCL, in the UK and worldwide, as well as with industry.

The department has an outstanding world-leading reputation for research, being ranked the highest in its sector (RAE 2008).

Research areas are:

- **Cellular, molecular and structural neuroscience**: synaptic transmission and ligand-gated ion channels; transporters and signalling molecules; G-protein coupled receptors and voltage-gated ion channels
- **Systems and translational neuroscience**: neuronal network behaviour; pain; *in vivo* patch electrophysiology; optogenetics
- **Intercellular signalling**: inflammation; cardiovascular system.

**Entry requirements**

A minimum of an upper second-class Bachelor’s degree from a UK university in a relevant discipline or an overseas qualification of an equivalent standard.

**Career prospects**

Recent graduates have taken up research positions in academia, including at UCL, Imperial College London, Oxford University, Queen Mary, University of London, University of California, Los Angeles, Kuwait University, Rockefeller University, New York, or within organisations such as the Max Planck Society, Cancer Research UK and the Defence Science and Technology Laboratory. Others are employed as senior scientists within industry.

<table>
<thead>
<tr>
<th>Research programmes</th>
<th>FT3</th>
<th>PT5</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
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<tr>
<td>PhD</td>
<td>FT4</td>
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</tbody>
</table>

Research Development

| 42 academic staff |
| 72 research students |

Research Assessment 2008

70% rated 4* or 3* (see page 5)

**Angelo Tedoldi**

Neuroscience PhD

My project looks at the effect of ageing on neurones in the hippocampal formation, the main part of the brain involved in memory formation and consolidation. I applied for the MRC CASE Studentship that was advertised online. At that time, I was working as research assistant in another lab and I was looking to change subject and do something more relevant to normal ageing (I was studying the effect of Alzheimer’s disease on neurones in the hippocampus). They called me for an interview a few weeks after I’d applied and received an offer soon after.

**Contact details**

Mrs Tina Bashford

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**Tuition fees**

Up-to-date tuition fee information is available at [www.ucl.ac.uk/current-students/money](http://www.ucl.ac.uk/current-students/money)

**Funding**

Across the division there are three Wellcome Trust four-year programmes and one MRC four-year programme; MRC, BBSRC four-year PhD, BBSRC quota and CASE three- and four-year studentships; NERC; and others. There may also be funding opportunities through individual research grants as well as through other programmes such as those offered by CoMPLEX.

Further information on pages 26–31

**Related departments**

Cell and Developmental Biology, page 87

Genetics, Evolution and Environment, page 88

History of Medicine, page 89

Structural and Molecular Biology, page 91
The Institute of Structural and Molecular Biology provides a stimulating and intellectually challenging environment in which the molecular basis of biological processes can be understood.

We are equipped with state-of-the-art facilities in areas such as X-ray crystallography, nuclear magnetic resonance spectroscopy, cryo-electron microscopy, biophysical and biochemical analysis, protein expression, purification and molecular and cell biology.

Our research is enhanced by regular lectures from world-leading scientists and focused symposia.

Research staff are world leaders in areas such as bacterial secretion, ageing, intracellular signal transduction, limb regeneration, and cell protein trafficking.

Research areas are:
- Bioinformatics
- Molecular cell biology and metabolism
- Molecular microbiology
- Structural biology and molecular biophysics.

Entry requirements
A minimum of an upper second-class Bachelor’s degree in Biochemistry, Chemical Biology, Molecular Biology, Physics or Chemistry from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Recent graduates have become researchers at leading UK and international universities including Cambridge, UCL, King’s College London, University of Manchester, University of the Western Cape, Cornell, Yale and other organisations including the Howard Hughes Medical Institute, the Wellcome Trust, Cancer Research UK, Novartis and Breakthrough Breast Cancer. Others have gained employment in the civil service, NHS or found senior roles in industry with companies such as Cellzoe and Genzyme.

Research Assessment 2008
55% rated 4* or 3* (see page 5)

Contact details
Ms Manu Davies
EMAIL manu.davies@ucl.ac.uk
TEL +44 (0)20 7679 7033

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Across the division there are three Wellcome Trust four-year programmes and one MRC four-year programme; MRC, BBSRC four-year PhD, BBSRC quota and CASE three- and four-year studentships; NERC, and others. There may also be funding opportunities through individual research grants as well as through other programmes such as those offered by CoMPLEX.

Further information on pages 26–31

Related departments
Cell and Developmental Biology, page 87
Genetics, Evolution and Environment, page 88
History of Medicine, page 89
Neuroscience, Physiology and Pharmacology, page 90
The school is home to 11 specialist research centres and the first Global International Federation (FIP) Collaborating Centre in partnership with WHO and UNESCO.

We have invested £6 million in research facilities in the past six years.

Our seven storey 980m² Molecular Pharmacy wing allows scientists from across all the pharmaceutical sciences to collaborate on research.

In 2010/11, the school received £8.1 million in research grants and contracts.

Entry requirements
A UK taught Master’s degree, or a minimum of an upper second-class UK Bachelor’s degree in pharmacy or an overseas qualification of an equivalent standard.

Career prospects
Graduates have found employment in quality assurance for a major pharmaceutical company, as analytical chemists, research scientists for a medical research charity and in universities across the world, while others have found work in regulatory affairs.

Graduates from the Clinical Pharmacy, International Practice and Policy MSc have found employment as senior pharmacists in hospitals around the world, from Brunei to Kenya, Saudi Arabia to Slovenia, while others moved into teaching and research, in London and around the world.

Entry requirements
• MRRes: a minimum of an upper second-class UK Bachelor’s degree in pharmacy or an overseas qualification of an equivalent standard.
• Clinical Pharmacy, International Practice and Policy MSc: a minimum of a second-class UK Bachelor’s degree in pharmacy, pharmaceutical sciences, pharmacology, physiology, physical science, biochemistry, biotechnology, chemistry, chemical engineering, genetics, materials science, medicine or a related field, or an overseas qualification of an equivalent standard.
• All other MSc programmes: a minimum of a second-class UK Bachelor’s degree in pharmacy or pharmaceutical, chemical, biological or medical sciences, or a related field.

Career prospects
Graduates have found employment in quality assurance for a major pharmaceutical company, as analytical chemists, research scientists for a medical research charity and in universities across the world, while others have found work in regulatory affairs. Others have gone on to start PhD programmes at UCL and at other UK, US and European universities.

Graduates from the Clinical Pharmacy, International Practice and Policy MSc have found employment as senior pharmacists in hospitals around the world, from Brunei to Kenya, Saudi Arabia to Slovenia, while others moved into teaching and research, in London and around the world.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT3</th>
<th>PT3</th>
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<tbody>
<tr>
<td>MRes</td>
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<tr>
<td>MPhil/PhD</td>
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</tbody>
</table>

Research areas are:
• Drug discovery: antimicrobials, natural products and cancer medicines as a source of novel compounds against a range of human disease
• Neurosciences: nervous system regulation and function in health and disease, with a focus on synaptic function and neuronal circuitry
• Formulation sciences: the sciences and technologies used to develop and understand the final dosage form of medicines
• Medicines use and health: translating the potential benefits of medicines into positive health outcomes by understanding and shaping the factors that influence their optimal use.

Contact details
Research programmes: Mr Berni Widemann EMAIL b.widemann@ucl.ac.uk TEL +44 (0)20 7753 5958

Taught programmes: Mr Patrick Barnett EMAIL p.barnett@ucl.ac.uk TEL +44 (0)20 7753 5964

Funding
Further information on pages 26–31

Related departments
Biosciences, page 86
Chemistry, page 96
Genetics, Evolution and Environment, page 88
Neuroscience, Physiology and Pharmacology, page 90
Structural and Molecular Biology, page 91

125 academic staff
120 research students
70 taught graduate students
Research Assessment 2008
65% rated 4* or 3* (see page 5)
The Gatsby Unit is a world-class centre for theoretical neuroscience and machine learning.

We provide a unique opportunity for a critical mass of theoreticians to interact closely with each other and with other world-class research groups across UCL.

Teaching is supplemented through regular research talks, journal clubs and reading groups, extensive seminar programmes and participation in international conferences.

As a student you will have ready access to all members of academic staff, not just your immediate supervisors.

Research programmes

| MPhil/PhD | FT4 |

The four-year MPhil/PhD programme commences with a compulsory year of intensive instruction in techniques and research in theoretical neuroscience and machine learning. After this taught year, students generally choose to concentrate in one of these two fields.

The main research areas within the unit are:

- Analysis of neural data
- Neural dynamics
- Perceptual processing of auditory and visual input
- Population coding
- Reinforcement learning
- Statistical machine learning
- Unsupervised learning.

Entry requirements

Applicants must have a strong analytical background, a keen interest in neuroscience or machine learning and a relevant first degree at a minimum of upper second-class UK Bachelor’s level or an overseas equivalent, for example in computer science, engineering, mathematics, neuroscience, physics, psychology or statistics. Students seeking to combine work in neuroscience and machine learning are particularly encouraged to apply.

Career prospects

Recent graduates have taken up postdoctoral positions at institutions such as the Universities of Cambridge, Toronto and Columbia and organisations including Microsoft Research.

Ritwik Niyogi
Computational Neuroscience PhD

I received several offers from both the US and UK but the Gatsby Computational Neuroscience Unit is (in my opinion) the best in the world. UCL’s status as a powerhouse in neuroscience, the world-famous neuroscience community of Queen Square, and the opportunity to live in the global capital was simply too tempting to resist – a once-in-a-lifetime ticket to being world-class. I use all the facilities at Queen Square very often; the library’s access to journals is awesome. I live in Ann Stephenson House, close to my office in Russell Square and all that for a remarkably low price. You don’t get that outside UCL.

Contact details

Administrative Assistant
EMAIL admissions@gatsby.ucl.ac.uk
TEL +44 (0)20 7679 1176

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

A number of competitive fully-funded PhD studentships are available each year. These cover payment of full fees, provide a generous stipend and are available to students of any nationality.

Further information on pages 26–31

Related departments

Clinical, Educational and Health Psychology, page 57
Institute of Cognitive Neuroscience, page 58
Computer Science, page 77
Neurology, page 54
Ophthalmology, page 55
Physics and Astronomy, page 99
Statistical Science, page 102
The Laboratory for Molecular Cell Biology (LMCB) at UCL is a Medical Research Council-funded institute dedicated to research aimed at understanding the molecular and cellular basis of cell behaviour relevant to human disease.

The four-year Molecular Cell Biology PhD programme we offer provides a broad training in fundamental aspects of biomedical science.

The programme provides the opportunity to carry out cutting-edge research in an internationally competitive environment.

Research areas are:
- Cancer
- Cell cycle
- Cell migration
- Cytoskeleton
- Haemostasis
- Infection and immunity
- Inflammation
- Morphogenesis and polarity
- Neuronal cell biology
- Signalling
- Trafficking
- Vision.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
Recent graduates have secured positions as research fellows and postdoctoral researchers at leading UK universities including Cambridge and UCL and for overseas organisations such as Memorial Sloane-Kettering Cancer Center, USA and the Agency for Science Technology and Research (A*STAR), Singapore.
Encompassing the logical, experimental and mathematical study of our universe, Mathematical and Physical Sciences at UCL consists of departments highly rated for research excellence. The faculty also provides a base for a number of research centres; these facilitate in-depth and interdisciplinary research through collaboration between experts within the Mathematical and Physical Sciences Faculty, and in related areas in Engineering Sciences and Life Sciences. Front-line research feeds directly into our teaching programmes, and our graduate students benefit from access to first-class laboratory facilities and links to professional, industrial and academic networks.

Chemistry 96
Earth Sciences 97
Mathematics 98
Physics and Astronomy 99
Science and Technology Studies 100
Space and Climate Physics 101
Statistical Science 102
CoMPELEX (Centre for Mathematics and Physics in the Life Sciences and Experimental Biology) 103
All graduate students are involved in the department’s daily activities through a comprehensive training programme and attendance at research seminars given by internal and external speakers.

Students develop experience in scientific methods, techniques for reporting science and in the many skills required for a future career.

Our interests and research activities span the whole spectrum of chemistry, from the development of new drugs to the prediction of the structure of new catalytic materials.

Our development has been built on a solid foundation of chemical excellence including Sir William Ramsay’s Nobel prize-winning discovery of five noble gases and Sir Christopher Ingold’s pioneering work on physical organic chemistry.

Research programmes

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<tr>
<th>Programme</th>
<th>FT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
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<tr>
<td>MPhil/PhD</td>
<td>FT4</td>
<td></td>
</tr>
<tr>
<td>Molecular Modelling and Materials</td>
<td></td>
<td>FT4</td>
</tr>
<tr>
<td>Science MRes + MPhil/EngD</td>
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</table>

Research areas include:

- All aspects of computational chemistry, from materials simulations to quantum dynamics
- Bionanotechnology
- Chemical biology and medicinal chemistry
- Chemical modification and synthesis of proteins and complex peptides
- Chemical sensors and gas-phase electrochemistry
- Chemistry in interstellar space
- Development of chemical probes for biological systems
- Development of synthetic methodology for organic synthesis
- Gas-phase reactions of ions and molecules related to atmospheric chemistry
- New synthetic methods for inorganic materials
- Thin film growth and analysis
- Total synthesis of pharmacologically active natural products
- Surface solid-state science
- Ultrafast molecular dynamics and coherent control.

The department takes a leading role in the following interdisciplinary research centres, which bring together expertise from various departments in UCL, and which maintain strong and coherent links with external institutions:

- The Centre for Computational Science (CCS)
- The Centre for Cosmic Chemistry and Physics
- The Materials Chemistry Centre.

Entry requirements

A UK Master’s degree in Chemistry, or an MSc or MChem with upper second-class Honours, or an overseas qualification of an equivalent standard.

Career prospects

Recent UCL Chemistry PhD graduates have become postdoctoral researchers at a range of institutions in the UK and abroad, including ETH Zurich and NASA, amongst others. Other PhD graduates have followed a wide range of careers, becoming secondary school science teachers, research chemists, working in finance and becoming technical consultants.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT1</th>
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</thead>
<tbody>
<tr>
<td>Molecular Modelling and Materials Science MRes</td>
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<tr>
<td>Organic Chemistry: Drug Discovery MRes</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Chemical Research MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Materials for Energy and Environment MSc</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Molecular Measurements in Medicine MSc</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Molecular Modelling MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
</tbody>
</table>

Entry requirements

A minimum of a second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Many students studying an MSc go on to further study, entering a PhD programme here at UCL or elsewhere. Other recent MSc graduates have pursued a range of careers including becoming research scientists and sales representatives for scientific companies.

Contact details

Ms Mary Lou Jabore
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TEL +44 (0)20 7679 4650

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

The department may be able to offer, on a competitive basis, BBSRC EPSRC, and NERC studentships, teaching assistantships and industrially supported studentships.

Further information on pages 26–31

Related departments

Biochemical Engineering, page 74
Chemical Engineering, page 75
Earth Sciences, page 97
Medicine, page 111
Physics and Astronomy, page 99
Structural and Molecular Biology, page 91
EARTH SCIENCES

The Department of Earth Sciences is engaged in world-class research into the processes at work on and within the Earth and other planets.

We accommodate the Institute for Risk and Disaster Reduction, which leads multi-disciplinary research, knowledge exchange and advanced teaching across UCL.

The department houses the Aon Benfield UCL Hazard Research Centre, Europe’s hub for geohazard research and knowledge exchange.

We jointly run the Centre of Polar Observation and Modelling (CPOM), which leads the Cryosat-2 satellite mission monitoring changes in polar ice.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT1</th>
<th>PT2</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
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<tr>
<td>Engineering EngD</td>
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</table>

Research focuses on:

- Dynamics and evolution of the crust: rock mechanics; high-pressure/high-temperature mineralogy and geochemistry
- Environmental geochemistry: pollution; hydrogeology; hydrochemistry; water resources
- Natural hazards: assessment of hazard and risk posed by geological events
- Palaeoclimates, palaeobiology and palaeoenvironments: micropalaeontology; vertebrate palaeontology; the Earth’s past climates and environments
- Satellite observation and modelling of polar climate and change
- Structure, geodynamics and evolution of the Earth and planets.

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have chosen either to pursue a career in academia as postdoctoral researchers or seek employment in the oil, gas and mineral extraction industries. These have included positions as micropalaeontologists, geologists, hydrogeologists, stratigraphers, sedimentologists, geophysicists in the public sector (Environment Agency, National Physics Laboratory) and private sector (Badley Ashton Reservoir Geoscience).

Entry requirements

Normally a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Applicants for the Geophysical Hazards MSc whose qualifications are of a lower standard may be admitted if evidence of an adequate academic background and appropriate field experience can be shown.

Career prospects

Many recent graduates have sought employment in the oil, gas and hazards insurance industries as geologists, geotechnical surveyors, catastrophe modellers, digital mappers and engineers amongst others. Others have chosen to undertake research degrees at the Universities of Cambridge, Edinburgh and Manchester, as well as UCL, University College Dublin and Angers University.
UCL’s Department of Mathematics is a dynamic research environment: it currently hosts five prestigious career acceleration fellowships funded by EPSRC and the Royal Society.

The department is a member of the UCL Institute of Origins and works closely with the mathematical biology group CoMPELEX. The Clinical Operational Research Unit (CORU) is based in the department.

Students benefit from our leading role in the London Taught Course Centre for PhD students in the Mathematical Sciences, enabling them to study outside the realms of their research degree.

Members of the department edit the highly regarded research journal Mathematika, published by the London Mathematical Society.

### Departmental research specialities

- **Applied mathematics**: environmental flows (including vortex dynamics, atmospheric and ocean dynamics and climate modelling); fluid mechanics (e.g. free-surface flows, polymers); industrial mathematics (e.g. inverse models, sound transmission, multi-particle interactions); mathematical biology and medicine (e.g. modelling cerebral and liver blood flow, molecular and cellular dynamics); gravitation, integrable systems; mathematical modelling; applied partial differential equations; numerical analysis and scientific computing; financial mathematics.

- **Pure mathematics**: functional analysis; real and complex analysis; spectral theory; combinatorics; algebraic number theory; geometric topology; discrete and convex geometry; probability theory; geometric group theory; symplectic and contact topology.

### Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

### Career prospects

Recent graduates have taken up academic posts at universities such as UCL, Sheffield, Kyushu and California State; others have joined the financial services industry at companies such as Barclays Capital, Schroders, Deloitte, ABN Amro and J P Morgan; and others have become mathematics teachers and computer programmers.

### Taught programmes

- **Financial Mathematics MSc**: FT1, PT2
- **Mathematical Modelling MSc**: FT1, PT2

### Contact details

**Applied Mathematics (Research):**
Professor Valery Smyshlyaev
EMAIL v.smyshlyaev@ucl.ac.uk
TEL +44 (0)20 7679 2839

**Pure Mathematics (Research):**
Dr John Talbot
EMAIL talbot@math.ucl.ac.uk

**Financial Mathematics MSc**
Dr Andrea Macrina
EMAIL s.moore@ucl.ac.uk

**Mathematical Modelling MSc**
Professor Frank Smith
EMAIL frank@math.ucl.ac.uk
TEL +44 (0)20 7679 4102

**Tuition fees**
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

**Funding**
For MPhil/PhD research normally one NERC studentship and one EPSRC doctoral training award are offered. Teaching assistantships may be available. In addition, there are departmental scholarships for which applicants are automatically considered on accepting an offer of a place. Extra funding varies from year to year.

### Related information
Further information on pages 26–31

### Related departments
CoMPELEX, page 103
UCL's Department of Physics and Astronomy is one of the top departments in the UK for graduate study (RAE 2008).

Our international collaborations provide opportunities to work with an international team, including recently the Large Hadron Collider in Geneva, the EISCAT radar instruments in Scandinavia and at the Institut Laue-Langevin in Grenoble.

For graduate students whose interests are more theoretical, there is access to national supercomputer facilities, such as the HECToR service, capable of computing speeds up to 100 Teraflops.

In some cases, there are opportunities for students to broaden their experience by spending part of their time overseas.

### Research programmes

**MPhil/PhD**

<table>
<thead>
<tr>
<th>Taught programmes</th>
<th>FT3</th>
<th>PT5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced High Energy Physics MSc</td>
<td>FT1 or FT21m*</td>
<td>PT2</td>
</tr>
<tr>
<td>Astrophysics MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
<td>PT2</td>
</tr>
<tr>
<td>Physics MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Planetary Science MSc</td>
<td>FT1</td>
<td>PT2</td>
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</table>

* For entry to the Advanced High Energy Physics MSc an upper second-class MSci or MPhys from a UK university (or overseas equivalent) is required. Applicants with an upper second-class Bachelor of Science (BSc) may be admitted to the 21-month programme undertaking a preparatory Postgraduate Diploma before transferring to the MSc.

For all other MSc programmes: a minimum of an upper second-class UK Bachelor's degree in a relevant discipline or an overseas qualification of an equivalent standard.

### Career prospects

Recent graduates have continued their studies at the doctoral level at leading universities including UCL, Cambridge, Copenhagen, and Imperial College London, or found employment as researchers at, for example, UCL and Imperial College London. Others have begun work in the financial sector for companies including the Bank of America and Van der Moolen. Some have moved into the financial sector for companies such as Deutsche Bank and PricewaterhouseCoopers and some into software research and development.

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### Entry requirements

A minimum of an upper second-class UK integrated Master’s (MSci or MPhys) degree in a relevant discipline, or an undergraduate degree followed by an MSc in a relevant discipline, or an overseas qualification of an equivalent standard. An upper second- or first-class UK Bachelor’s or equivalent may be considered in special circumstances.

### Contact details

Professor Robert Thorne
EMAIL ucapphd@ucl.ac.uk
TEL +44 (0)20 7679 7030

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### Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

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### Funding

The department offers dedicated project studentships for particular research fields, as well as studentships from the UK research councils. There are also some trust funds dedicated to support research in particular areas and a limited number of departmental studentships.

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### Related departments

Chemistry, page 96
Space and Climate Physics, page 101
UCL Science and Technology Studies is the only interdisciplinary department in London covering history, philosophy and social studies of science, science communication and public engagement with science.

In the RAE 2008, 40% of our History and 45% of our Philosophy research was ranked as being of ‘world-leading’ quality (4*).

Members of the department edit the British Journal for the History of Science, the leading international journal of the British Society for the History of Science.

Graduate students enjoy the excellent resources and networking opportunities facilitated by our high profile.

Research programmes

<table>
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<tr>
<th>MPhil/PhD</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
<td>FT3</td>
<td>PT5</td>
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</table>

Research areas include:

- History of science: history of physics, of biology, of chemistry and of astronomy
- Philosophy of science: philosophy of physics, of chemistry and of medicine
- Science and the media: science communication and scientists’ use of the media; public understanding of science; science and journalism
- Sociology of science and science policy: policies for biotechnology and genetics;

- 20th-century evolutionary studies; ethics and integrity in scientific research.

Entry requirements

A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduate students have gone on to pursue academic careers at the postdoctoral level and teaching fellow level in various universities, including the Universities of Cambridge, Sheffield and Westminster, and UCL.

Taught programmes

| History and Philosophy of Science MSc | FT1 | PT2 |
| Science, Technology and Society MSc | FT1 | PT2 |

Entry requirements

A minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Some recent graduate taught students have gone on to pursue PhDs in a variety of fields (history of science, science policy, science communication) in different universities.
Research areas include:
- **Astrophysics**: theory of astrophysical processes; active galactic nuclei; galactic structure, dynamics and evolution; gamma-ray bursts; isolated neutron stars and magnetars; accreting black holes
- **Imaging**: automated 3D vision and visualisation techniques for space science and climate physics; mapping climate change; search for life using remote sensing techniques; solar-planetary teleconnections to weather
- **Photon and particle detector development**: particle detectors; charge-coupled devices; sub Kelvin cryo-coolers for space and ground based applications
- **Planetary science**: planetary plasma interaction processes throughout the solar system; giant planet magnetospheres; unmagnetised object and dust-plasma interactions; planetary ionospheres; plasma environment of planets, moons and comets; planetary surfaces from rovers
- **Solar physics**: physical processes that control solar activity on all timescales and the consequences of this within the Solar System, including the emergence and evolution of solar magnetic fields; solar eruptions; solar wind formation and the Sun-Earth connection
- **Space plasma physics**: local space environment, including the structure and dynamics of the heliosphere and terrestrial magnetosphere; space plasma processes e.g. magnetic reconnection and auroral particle acceleration
- **Theory**: theoretical and computational astrophysics of systems from planets, the Sun, stars and galaxies to the Universe
- **Weather and climate extremes**: monitoring, modelling and predictions for tropical storms worldwide and global drought, climatologies for wind, precipitation and temperature extremes worldwide.

Research training takes place at the Mullard Space Science Laboratory in Surrey.

**Entry requirements**
An upper second-class Bachelor’s degree, or a second-class Bachelor’s degree together with an MSc from a UK university in a relevant subject, or an overseas equivalent qualification.

**Career prospects**
Recent graduates have taken up academic posts at NASA, the Harvard Smithsonian Astrophysical Observatory, Goddard Space Flight Center, European Space Agency and in academia, but others have entered professional occupations, within areas as diverse as IT and finance.

**Teaching**
Teaching for our taught programmes takes place at UCL’s Bloomsbury campus in central London.

**Entry requirements**
A second-class Bachelor’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard. For the Systems Engineering Management MSc at least two years’ industrial experience is preferred.

**Career prospects**
Graduates have entered engineering positions in the aerospace industry, and professional occupations such as IT and financial consulting and analysis, within multinational organisations. Some of our graduates have entered further academic study and research, at UCL and other institutions.
Founded by Karl Pearson in 1911, this was the first university department of statistics in the world.

The research interests of staff cover a broad spectrum from foundations, through methodology, to a wide range of applications.

London, as well as being home to the Royal Statistical Society, has a large community of statisticians, both academic and non-academic.

The department’s methodological research is organised into five areas:
- Biostatistics
- Computational statistics
- General theory and methodology
- Multivariate and high dimensional data
- Stochastic modelling and time series.

Research often cuts across these areas. For example, externally funded projects in the following application areas are in progress:
- Cognitive neuroscience
- Environmetrics and hydrology
- Machine learning
- Population and systems biology
- Statistical imaging
- Stochastic optimisation in the energy sector.

Much of this work is interdisciplinary and involves collaborations within and outside UCL.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree, or a UK Master’s degree in statistics, mathematics, computer science or a related quantitative discipline. Overseas qualifications of an equivalent standard are also acceptable.

Career prospects
Career destinations of recent PhD graduates include lectureships in the Universities of Nottingham Trent and Salerno, Italy, and research posts with the Medical Research Council, Risk Management Solutions, London Business School and UCL Statistical Science.

Taught programme
| Medical Statistics MSc | FT1 | PT2 |
| Statistics MSc         | FT1 | PT2 |

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a quantitative discipline, or an overseas qualification of an equivalent standard. Knowledge of mathematical methods and linear algebra at university level and familiarity with introductory probability and statistics is required. Relevant professional experience will also be taken into consideration.

Career prospects
Common careers followed by recent MSc students have been in finance, accountancy, banking, the Government Statistical Service, the health sector, teaching, the pharmaceutical and energy industries and the Civil Aviation Authority. A number of graduates go on to further study; recent examples include PhD study at the Universities of Oxford, Cambridge and UCL.

Contact details
Dr Russell Evans
EMAIL pgstats@stats.ucl.ac.uk
TEL +44 (0)20 7679 8311

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Research Council funding may be available for UK/EU graduate research or graduate taught students. Other funding opportunities may also be available. For details visit www.ucl.ac.uk/statistics/prospective_postgraduates/fellowships

Further information on pages 26–31

Related departments
CoMPEX, page 103
Computer Science, page 77
Mathematics, page 98
CoMPELEX
(CENTRE FOR MATHEMATICS AND PHYSICS IN THE LIFE SCIENCES AND EXPERIMENTAL BIOLOGY)

- UCL CoMPELEX is the UK’s leading centre for interdisciplinary research in the biological and medical sciences.
- Our innovative MRes teaching methods help to facilitate interdisciplinary research.
- We have an outstanding record of transferring mathematicians, engineers, computer scientists and physics graduates into life sciences research. Similarly, we enable students with a biological background to acquire the training in mathematics and the physical sciences required for interdisciplinary research.
- The wide choice of PhD projects driven by students is endorsed by the high output and excellent completion rates of our graduates.

Research programmes

<table>
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<tr>
<th>Modelling Biological Complexity</th>
<th>FT4</th>
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<tr>
<td>MRes + MPhil/PhD</td>
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<tr>
<th>Systems Biology</th>
<th>FT4</th>
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<tr>
<td>MRes + MPhil/PhD</td>
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</table>

The MRes and MPhil/PhD together form an integrated four-year programme.

Students are involved in a range of interdisciplinary research projects that involve collaborations between supervisors drawn from the UCL departments within the Faculties of Brain Sciences, Engineering Sciences, Life Sciences, Mathematical and Physical Sciences, Medical Sciences, Population Health Sciences and Social and Historical Sciences. Each project has dual supervision, with one supervisor from the mathematical and physical sciences and the other from the life and medical sciences.

The research carried out addresses biological complexity. Research is organised into themes across the biological scales:
- Biomolecular mechanisms
- Cancer biology
- Evolution and dynamics of populations
- Integration of cellular function
- Interdisciplinary cardiovascular research
- Physiological and neural systems
- Synthetic biology
- Systems biology

This diversity exploits the unique breadth of research strength at UCL, which allows us to offer challenging research projects both within and across the scales of biological organisation.

The training experience offered meets the UK need, both in industry and academia, for outstanding graduates able to apply mathematical, computational and physical science techniques to real biological problems. Examples of current PhD projects include: Mathematical modelling of genomic evolution, cellular metabolic signalling, HIV, biology and immunology; Biophysics of vascular fluid mechanics, hearing and ion channels; Imaging, optical and scanning probe approaches to nanoscale bioscience; Spatial ecology.

Entry requirements

A minimum of an upper second-class Bachelor’s degree in any area of the mathematical, physical, computer, engineering or life sciences from a UK university or an overseas qualification of an equivalent standard.

Progression to the PhD element depends on successfully passing the MRes programme in the first year.

Career prospects

The majority of recent graduates have taken up postdoctoral and fellowship positions in academic and industrial research centres in the UK, Europe and USA. A small number have pursued careers in science policy analysis, statistical and mathematical consultancy, technology consultancy, or in management and the financial sector.

Contact details

Centre Administrator
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TEL +44 (0)20 7679 4325/4323

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

BBSRC, British Heart Foundation, CoMPELEX UCL, EPSRC and MRC Studentships available. Doctoral Training Centre Studentships provide full funding for four years (for UK and limited EU places)

Further information on pages 26–31

Related departments

Participating departments can be found in the following faculties: Brain Sciences page 51, Engineering Sciences page 73, Life Sciences page 85, Mathematical and Physical Sciences page 95, Medical Sciences page 105, Population Health Sciences page 115, Social and Historical Sciences page 125
The Faculty of Medical Sciences is a powerhouse of medical science research and teaching, greatly enhanced by extensive collaborations with those in the physical sciences and the humanities, as well as with the National Health Service Trust and specialist hospitals. The environment for clinical translation is exceptional.
Research focuses on:
• Antibody-based therapeutics for imaging and treatment of cancer
• Brain cancer and stem cells
• Cellular and gene therapy for cancer
• Chromosomal DNA replication and cancer, drug-DNA interactions
• Effects of tumour biology on therapeutic response, tumour immunology
• Genetics of Sarcoma, Acute Leukaemia, Chronic Leukaemia and Myeloproliferative Diseases
• Medical genomics, cancer systems science and biomedical informatics
• Radiation biology and therapy
• Stratified personalised medicine
• Therapeutic drug-DNA interactions
• Translational projects, clinical trials and epidemiology
• Viral oncology.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
Graduates have taken up academic and clinical posts in the UK and abroad, at MIT, the Dana Farber Institute and the Institute of Molecular Medicine at Oxford University. They have been recruited for business consulting and technology transfer to industry, medical writing and also found employment in the IT sector.

Research programmes

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<tr>
<th>Program</th>
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<td>MPhil/PhD</td>
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<td>5</td>
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<tr>
<td>MD(Res)</td>
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</table>

Entry requirements
A minimum of a second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
Graduates go on to further medical training or clinical posts, take up PhD studies or academic posts at institutions including the Universities of Cambridge, Oxford, Warwick, Manchester, Southampton, Zurich as well as UCL. They have also found employment in laboratory management, research, clinical trials, scientific writing and editing.
UCL’s Eastman Dental Institute (EDI) is one of the largest academic postgraduate dental centres in Europe, providing the widest portfolio of postgraduate degrees to nearly 560 dentists from 36 countries covering the UK, Europe and the rest of the world.

Our research students comprise scientists and clinicians working on projects supported by prestigious organisations including the European Commission, MRC, National Institute for Health Research, EPSRC, British Heart Foundation and industry leaders.

Our programmes are clinically intensive with favourable staff-student ratios, complemented by outstanding facilities including a state-of-the-art clinical teaching facility opened in 2010.

We were the first dental school to receive the prestigious Queen’s Anniversary Prize for Higher and Further Education, reflecting excellence in specialist training, research and patient care.

The institute has a global reputation for high quality research in three key areas:

- **Biomaterials and tissue engineering**: biomaterials for tissue regeneration; hard and soft tissue biology and repair
- **Clinical research**: wound healing; inflammation and infection; evidence-based oral health
- **Microbial diseases**: biofilms and ecology; genetics and virulence; cellular microbiology; antimicrobial strategies and resistance.

Within these overarching areas, opportunities are available in a number of exciting areas including metagenomics, systems biology, nanotechnology, hospital-acquired infections and stem cells.

EDI provides a superb environment for research students to pursue interdisciplinary research and translational research programmes to solve both clinical and more fundamental biomedical science problems relevant to oral health.

The cutting-edge facilities, supported by platform technologies, enable students to engage in inventive and original research cultivated in an environment that is rich in world-class scholars.

**Entry requirements**

MPhil/PhD and MD(Res): applicants must hold a first or an upper second-class UK Bachelor’s degree in an appropriate subject, or an overseas
qualification of an equivalent standard, or a recognised taught Master’s degree.

The Paediatric Dentistry DDS is a clinically intensive programme (50% clinical training; 50% research component), therefore applicants must satisfy the entry requirements for taught programmes (see below).

**Career prospects**

Recent graduates with EDI research degrees have either continued on an academic career pathway by obtaining research or academic positions at leading universities, or have entered managerial or research positions in the health service, government or industry. Some graduates have secured prestigious specialist training posts.

In some specialties the institute offers both a two-year MClinDent programme and a three-year MClinDent (Advanced Training) programme. Please refer to the EDI website (www.ucl.ac.uk/eastman/education) for information on which programme is most suitable for you.

**Entry requirements**

All applicants must normally hold an approved dental qualification and have a minimum of two years’ clinical experience.

**Career prospects**

Recent graduates have furthered their careers in the public sector by taking up positions in NHS hospitals, primary care trusts and the Armed Forces. Many become leaders of specialist services in primary care or enter training towards Consultant status. In the private sector, graduates either practise as specialists or are able to develop their general practice. A UCL Eastman qualification is highly regarded by employers both in the UK and overseas. A number of graduates follow an academic career pathway and either take up a position in an academic department or continue on to further clinical or research training.
INFECTION AND IMMUNITY

The Division of Infection and Immunity is an integral part of the UCL Partners’ Infectious Diseases Programme and hosts the MRC Centre for Medical Molecular Virology.

We hold a $25 million award from the Bill and Melinda Gates Foundation for research into HIV and AIDS.

Our unique four-year MRC-funded PhD programme provides integrated research training at the interface of basic science and clinical practice.

A significant number of research training fellowships have been won from major sponsors such as Wellcome Trust, MRC and BBSRC.

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>MPhil/PhD</th>
<th>FT3/4</th>
<th>PT5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthcare Associated Infection Control MSc</td>
<td>flexible 2-5 years</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Infection and Immunity MSc</td>
<td>flexible 2-5 years</td>
<td>FT1</td>
<td></td>
</tr>
<tr>
<td>Medical Mycology MSc</td>
<td>flexible 2-5 years</td>
<td>PT3-5</td>
<td></td>
</tr>
<tr>
<td>Molecular Medicine MSc</td>
<td>flexible 2-5 years</td>
<td>PT1</td>
<td></td>
</tr>
</tbody>
</table>

Entry requirements

A minimum of an upper second-class UK Bachelor's degree in a relevant discipline, or an overseas qualification of an equivalent standard, or an appropriate Master's degree.

Career prospects

Recent graduates have secured postdoctoral positions in universities or research institutions in the UK, Europe, the US and Iran, including the MRC National Institute for Medical Research, Harvard Medical School, UCLH Royal Free Hospital, Imperial College London; Tehran University of Medical Sciences and the BBSRC. Others are working in research and development for pharmaceutical and biotechnology companies or in scientific journalism.

Entry requirements

Molecular Medicine MSc: applicants must hold a minimum of an upper second-class UK Bachelor's degree in a scientific, veterinary or medical discipline or an overseas qualification of an equivalent standard. Applicants with a lower second-class UK Bachelor's degree (or its overseas equivalent) will be considered but would be expected to have worked in a research laboratory for six months continuously or in some other way demonstrate that they have made significant and relevant additional achievement since graduation.

All other MSc programmes: applicants must hold a minimum of a second-class UK Bachelor's degree in biomedical science or medicine or an overseas qualification of an equivalent standard.

Career prospects

Students graduating from the Molecular Medicine MSc and Infection and Immunity MSc generally continue to PhD studies in the UK or abroad, enter medical school or take up research positions in academic or industry. No data is currently available for the Healthcare Associated Infection Control MSc.

Contact details

Research programmes and Molecular Medicine MSc:
Ms Lauren Collins
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TEL +44 (0)20 3108 2116

Healthcare Associated Infection Control MSc:
Miss Sangita Patel
EMAIL sangita.patel@ucl.ac.uk
TEL +44 (0)20 7794 0500 (ext 33539)

Infection and Immunity MSc and Medical Mycology MSc:
Ms Anne Dickens
EMAIL a.dickens@ucl.ac.uk
TEL +44 (0)20 7794 0500 (ext 33546)

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

MRC studentships, usually 2–3 each year. Further information is available at www.ucl.ac.uk/infection-immunity/mrc_ucl-centre

Related departments

Cancer Institute, page 106
Child Health, page 117
Laboratory for Molecular Cell Biology, page 94

35 academic staff
93 research students
93 taught graduate students

Research Assessment 2008
80% rated 4* or 3* (see page 5)
Medical Education co-ordinates developments in medical teaching and education and addresses curriculum development, academic standards, the assessment process, clinical and generic skills acquisition and research.

Our Medical Education programmes are taught jointly with the Royal College of Physicians of London and benefit from the Jerwood Resource Centre, a world-class medical education library.

Our collaboration with the Royal College of Physicians attracts teaching input from experts from across the UK.

Entry requirements
A primary medical qualification and Master’s level study, preferably in the field of education or medical education, from a UK university or an overseas qualification of an equivalent standard.

Career prospects
A PhD in medical education prepares graduates for a substantive future career as an educational researcher. Whilst many clinical practitioners will continue to practice in healthcare this award carries with it the opportunity to develop an academic role either in undergraduate or postgraduate education.

Medical Education MSc
Postgraduate Diploma
Postgraduate Certificate
(jointly with the Royal College of Physicians of London)

Entry requirements
Entry to the Postgraduate Certificate in Medical Education requires a primary medical qualification. Admission to the Postgraduate Diploma requires attainment of a Postgraduate Certificate in Medical Education or its equivalent. Progression to Master’s level is dependent on successful completion of the Royal College of Physicians of London/UCL Postgraduate Diploma.

Career prospects
Most graduates remain clinical professionals primarily, however many take on more teaching- or education-orientated roles in either undergraduate or graduate education.

Research programmes
MPhil/PhD
FT3
PT5

Research areas are:
• Assessment
• Communication skills
• E-learning
• Equality and diversity in medical education
• Fitness to practise of doctors
• Interprofessional education
• Peer-assisted learning
• Professional identity
• Selection
• Transitions
• Work-based learning.

For Medical Education, application is to the Postgraduate Certificate in the first instance. Successful completion of the one-year Certificate leads to eligibility to study for a further year for the Postgraduate Diploma, and success in the Diploma leads to eligibility for a final year to study to Master’s level.

Entry requirements
Entry to the Postgraduate Certificate in Medical Education requires a primary medical qualification. Admission to the Postgraduate Diploma requires attainment of a Postgraduate Certificate in Medical Education or its equivalent. Progression to Master’s level is dependent on successful completion of the Royal College of Physicians of London/UCL Postgraduate Diploma.

Career prospects
Most graduates remain clinical professionals primarily, however many take on more teaching- or education-orientated roles in either undergraduate or graduate education.

Contact details
Research programmes:
Dr Ann Griffin
EMAIL a.griffin@ucl.ac.uk
TEL +44 (0)20 7288 3157

Taught programmes:
Ms Melanie Harradine
EMAIL education.courses@rcplondon.ac.uk
TEL +44 (0)20 3075 1562

Tuition fees
Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding
Further information on pages 26–31
Medicine is a multi-disciplinary division incorporating a spectrum of specialties and a wide range of scientific, clinical and educational expertise.

Students benefit from productive collaborations between scientists and clinical researchers and exposure to the clinical aspects of research activities.

The division has access to world-class research facilities and equipment, including the Centre for Biomedical Research at our Royal Free campus and the Clinical Research Facility at University College London Hospital (UCLH).

Research programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPhil/PhD</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>MPhil/PhD</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MD(Res)</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

The biomedical disciplines represented within the units of the Division of Medicine include:
- Amyloidosis and acute phase proteins
- Cardiovascular biology
- Clinical pharmacology
- Diabetes and endocrinology
- Gastroenterology and nutrition
- Hepatology
- Intensive care medicine
- Medical imaging
- Molecular cell biology
- Molecular medicine
- Nephrology
- Neuroendocrinology
- Nuclear medicine
- Obesity research
- Radiochemistry
- Respiratory research
- Rheumatology

Entry requirements

A first or an upper second-class Bachelor’s degree in an appropriate subject, or an overseas qualification of an equivalent standard from a university or educational institution of university rank, or a recognised taught Master’s degree.

Career prospects

Recent research graduates are in demand for academic, postdoctoral and scientific advisory positions, nationally and internationally.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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</thead>
<tbody>
<tr>
<td>Clinical and Experimental Medicine:</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Drug Discovery MRes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical and Experimental Medicine:</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Translational Clinical Medicine MRes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical and Experimental Medicine:</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Drug Discovery: MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
<td>9m</td>
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</tr>
<tr>
<td>Clinical and Experimental Medicine:</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Translational Clinical Medicine: MSc</td>
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</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>9m</td>
<td></td>
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<tr>
<td>Clinical and Public Health MSc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutrition MSc</td>
<td>3</td>
<td></td>
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<tr>
<td>Postgraduate Diploma</td>
<td>9m</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Certificate</td>
<td>3m</td>
<td></td>
</tr>
<tr>
<td>Clinical and Public Health Nutrition: MSc</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>9m</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Certificate</td>
<td>3m</td>
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</tbody>
</table>

Entry requirements

All programmes require a minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates from the Clinical and Experimental Medicine MRes and MSc have gone on to study for PhDs or are now working in industry, higher education or for government agencies. Graduates from the Clinical and Public Health Nutrition MSc have progressed to PhD studies in translational research.
Surgery and Interventional Science

Our major research departments include: General Surgery; Urology; Sports, Exercise and Health; and Orthopaedics and Musculoskeletal Science.

We host world-class research centres in stem cell applications, urology, sports science, tissue engineering in surgery, clinical trials, transplantation, and cutting-edge developments of organ-based and technology-driven medical devices (including nanotechnology).

We have collaborative partnerships with centres across the world.

Research focuses on the following areas:

- Nanotechnology and regenerative medicine: targeted cell delivery; cell-material interactions; tissue engineering; nanomedicine; biomaterials; biosensors; nanoscale surface structuring
- Orthopaedics and musculoskeletal science: osteoporosis; bone tumour biology; joint replacement; tissue engineering; biomedical engineering; imaging and materials science; performance/rehabilitation; peripheral nerve and spinal injury
- Sports science: the extreme environment, surgical optimisation, orthopaedic outcomes, hip deformity, and human health and performance
- Surgery: cancer surgery; tissue engineering; reconstructive surgery; transplantation; vascular surgery; surgical implants
- Urology: interventional oncology; surgical and patient-related outcomes; molecular and stem cell biology; new medical device development.

Entry requirements

MPhil/PhD: an upper second-class UK Bachelor’s degree or an overseas qualification of an equivalent standard.

MD(Res): a medical degree (MBBS), a second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard.

Doctorate in Orthopaedics: MBBS, MRCS and a higher surgical training number in Orthopaedics GMC registration, or the overseas equivalent.

Career prospects

Graduates often take up consultant/clinical academic posts or become specialist registrars, and pursue careers in science, elite sport, physical activity promotion, and biomedical industries.

Taught programmes

- Burns, Plastic and Reconstructive Surgery MSc: FT1, PT2
- Evidence-based Healthcare MSc: FT1, PT2-4
- Postgraduate Diploma: FT9m, PT3
- Postgraduate Certificate: FT3m, PT2
- Musculoskeletal Science MSc: FT1, PT2-5
- Postgraduate Diploma: FT9m, PT2-5
- Postgraduate Certificate: FT3m
- Nanotechnology and Regenerative Medicine MSc: FT1, PT2
- Postgraduate Certificate: FT3m
- Performing Arts Medicine MSc: FT1, PT2
- Sports Medicine, Exercise and Health MSc: FT1, PT2
- Postgraduate Diploma: FT9m, PT2
- Surgical Science MSc: FT1, PT2
- Trauma and Orthopaedics MSc: FT1, PT2-4
- Postgraduate Diploma: FT9m-3
- Postgraduate Certificate: PT6m-2
- Urology MSc: PT1-4
- Urology Postgraduate Diploma: PT1-4

Entry requirements

- Burns, Plastic and Reconstructive Surgery MSc and Evidence-based Healthcare MSc: a medical degree (MBBS), a second-class UK Bachelor’s degree in a healthcare related subject, or an overseas qualification of an equivalent standard.
- Musculoskeletal Science MSc: a medical degree or a second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard.
- Nanotechnology and Regenerative Medicine MSc: a second-class UK Bachelor’s degree in a science/engineering subject, or a medical degree or an overseas qualification of an equivalent standard.
- Performing Arts Medicine MSc: a primary medical qualification (MBBS, two years post-qualification) or a second-class UK Bachelor’s degree in a relevant discipline or overseas qualification of an equivalent standard.
- Sports Medicine, Exercise and Health MSc: a primary medical qualification registrable with the GMC or a degree in a relevant discipline or an overseas qualification of an equivalent standard.
- Trauma and Orthopaedics MSc: a medical degree, GMC registration and MRCS, or an overseas qualification of an equivalent standard.
- Urology MSc/Postgraduate Diploma: a UK medical degree or an overseas qualification of an equivalent standard, MRCS, or equivalent. Some clinical experience in Urology is also desirable.

Career prospects

Our programmes enhance prospects for students wishing to pursue careers as consultants in hospitals, academic clinicians, leading scientists, and within the biomedical/biotechnology industries.
The strength of the Wolfson Institute for Biomedical Research (WIBR) is in its multi-disciplinary approach to research, with the goal of identifying novel targets for drug development and new therapies.

The WIBR brings together scientists and clinicians from both academic and pharmaceutical industry backgrounds and integrates basic research with clinical applications.

We are equipped with ultra-modern facilities for pharmacology, electrophysiology, molecular biology, cell biology, histology, bioinformatics, medicinal chemistry and clinical research.

The Wolfson Institute for Biomedical Research (WIBR) is a research institute at University College London (UCL). The institute is known for its multi-disciplinary approach to research, focusing on novel targets for drug development and new therapies. It brings together scientists and clinicians from both academic and pharmaceutical industry backgrounds and integrates basic research with clinical applications.

The WIBR is equipped with ultra-modern facilities for various sciences including pharmacology, electrophysiology, molecular biology, cell biology, histology, bioinformatics, medicinal chemistry and clinical research. This enables the institute to conduct cutting-edge research and development in these fields.

**Contact details**

Dr Andrei Okorokov
EMAIL a.okorokov@ucl.ac.uk
TEL +44 (0)20 7679 0959

**Tuition fees**

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/fees

**Funding**

Further information on pages 26-31

**Related departments**

Cancer Institute, page 106
Cardiovascular Science, page 116
Cell and Developmental Biology, page 87
Neuroscience, Physiology and Pharmacology, page 90
The faculty brings together expertise in Child Health, Women’s and Reproductive Health, Population Health and Cardiovascular Science in a unique grouping that spans the life course. Our research elucidates the biological, behavioural and psychosocial processes that operate across an individual’s life, and across generations, that affect the development of disease in populations. The UCL Institutes of Child Health, for Women’s Health, of Cardiovascular Sciences, and Epidemiology and Health Care comprehensively address all the phases and periods that together represent each life-stage, from conception, birth, childhood, adolescence into adulthood, older age and death. Our aim is to deliver outstanding research and teaching for improved human health through our world-class staff.

<table>
<thead>
<tr>
<th>Department</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular Science</td>
<td>116</td>
</tr>
<tr>
<td>Child Health</td>
<td>117</td>
</tr>
<tr>
<td>Epidemiology and Public Health</td>
<td>118</td>
</tr>
<tr>
<td>Health Informatics and Multiprofessional Education</td>
<td>119</td>
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<tr>
<td>Infection and Population Health</td>
<td>120</td>
</tr>
<tr>
<td>Primary Care and Population Health</td>
<td>121</td>
</tr>
<tr>
<td>Women’s Health</td>
<td>122</td>
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</tbody>
</table>
The Institute of Cardiovascular Science (ICS) was set up in 2011 as one of the most innovative and exciting initiatives in the UCL School of Life and Medical Sciences. The ICS aims to be a world-class centre of excellence in pioneering novel, integrative strategies in preventative and therapeutic cardiovascular medicine.

Students benefit from the productive collaborations between scientists and clinical researchers and the exposure to clinical aspects of research activities, as well as access to world-class facilities.

Central to our activities is close collaboration between industry, clinicians and academics. Significant income from scientific grants and charitable organisations support our role as leader in cardiovascular research in the UK.

We run a ‘buddy’ mentoring scheme to support, inspire and guide students to further their careers both in the institute and in the scientific community as a whole.

Entry requirements
A minimum of an upper second-class Bachelor’s degree from a UK university in an appropriate subject, or an overseas qualification of an equivalent standard.

Career prospects
Recent research graduates are in demand for academic or postdoctoral positions, nationally and internationally. Others move into biotechnology and drug development for multinational companies.

Taught programme
Cardiovascular Science MSc FT1

Entry requirements
A minimum of an upper second-class Bachelor’s degree in a scientific or medical discipline from a UK university or an overseas qualification of an equivalent standard.

Career prospects
The MSc offers students the opportunity to learn about topical areas in cardiovascular science, preparing them for further research or a career in industry.

Research programmes

<table>
<thead>
<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
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<table>
<thead>
<tr>
<th>MD(Res)</th>
<th>FT3</th>
<th>PT5</th>
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</tbody>
</table>

The research areas represented include:
- Arrhythmias
- Cardiac development
- Cardiomyopathies
- Cerebrovascular disease
- Congenital heart disease
- Epidemiology
- Genetics
- Imaging
- Ischaemic heart disease
- Metabolism (diabetes and obesity)
- Prevention
- Regenerative therapy
- Surgery
- Vascular biology and physiology.

Contact details
Research programmes:
Ms Rikke Osterlund
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Taught programme:
Ms Gemma Martin
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TEL +44 (0)20 3108 2308

Funding
British Heart Foundation and Research Council studentships and fellowships are occasionally available for MPhil/PhD students.

Further information on pages 26–31

Related departments
Child Health, page 117
Epidemiology and Public Health, page 118
Genetics, Evolution and Environment, page 88
Medicine, page 111
Ophthalmology, page 55
The UCL Institute of Child Health has a very close relationship with the Great Ormond Street Hospital for Children and much of its research and teaching is carried out on a joint basis.

Our academic structure consists of eight research themes, facilitating interdisciplinary research and allowing flexibility for developing new areas of investigation.

Graduate students benefit from excellent facilities in both laboratory and non-laboratory subjects.

We are also engaged in research in population health sciences in the UK and overseas.

### Entry requirements

Science graduates must have a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Clinical candidates must have a registerable qualification appropriate to the programme to be followed in Medicine, Dentistry or Veterinary Studies.

### Career prospects

Non-clinical PhD graduates typically move onto grant-funded postdoctoral research fellowships either at UCL or elsewhere. Clinical PhD or MD(Res) graduates usually go on to complete their clinical and/or research training.

### Taught programmes continued

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Applied Paediatric Neuropsychology MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>Cell and Gene Therapy MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
</tr>
<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Certificate</td>
<td>FT3m</td>
</tr>
<tr>
<td>(flexible 1-2 years)</td>
<td></td>
</tr>
<tr>
<td>Child and Adolescent Mental Health MSc</td>
<td>FT1</td>
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<tr>
<td>(flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>(flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Certificate</td>
<td>PT1</td>
</tr>
<tr>
<td>(flexible 1-2 years)</td>
<td></td>
</tr>
<tr>
<td>Clinical Paediatric Neuropsychology MSc</td>
<td>FT1 PT2</td>
</tr>
<tr>
<td>Global Health and Development MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>(flexible 2-5 years)</td>
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</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Certificate</td>
<td>PT1</td>
</tr>
<tr>
<td>(flexible 1-2 years)</td>
<td></td>
</tr>
<tr>
<td>Global Health and Development: tropEd MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>International Child Health MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>(flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Certificate</td>
<td>PT1</td>
</tr>
<tr>
<td>(flexible 1-2 years)</td>
<td></td>
</tr>
<tr>
<td>International Health European MSc (Erasmus Mundus)</td>
<td>FT1</td>
</tr>
<tr>
<td>Paediatrics and Child Health MSc</td>
<td>FT1</td>
</tr>
<tr>
<td>(with specialisation in Advanced Paediatrics; Community Child Health; Paediatric Gastroenterology)</td>
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<tr>
<td>(flexible 2-5 years)</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>(flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Certificate</td>
<td>PT1</td>
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<tr>
<td>(flexible 1-2 years)</td>
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</tbody>
</table>

### Research areas are:

- Cancer
- Cardiorespiratory sciences
- General and adolescent paediatrics
- Genes, development and disease
- Infection and immunity
- Neurosciences and mental health
- Nutritional and surgical sciences
- Population health sciences.

### Funding

A number of studentships are available for MPhil/PhD research including up to eight funded by the Child Health Research PhD programme. Applicants for the European MSc in International Health may apply for an Erasmus Mundus Scholarship funded by the European Commission. See: www.em-troped.u-bordeaux2.fr for details.

International Child Health MSc and Global Health and Development MSc offer holders who are residents and nationals of an African nation, may apply for an African Graduate Scholarship. For details visit our website: (www.ucl.ac.uk/igh/postgraduate/scholarships-funding).
We provide a friendly, rich and diverse multi-disciplinary environment in which to work: staff specialise in biology, dentistry, economics, epidemiology, genetics, medicine, psychology, public health, statistics and sociology.

The internationally acclaimed datasets (including the 1946 Cohort, Whitehall II, Health Surveys for England and Scotland, ELSA) housed by us provide a wealth of research opportunities.

Expertise is reflected in our worldwide collaborative links and involvement in national and international reports (including World, UK and EU reports on the Social Determinants of Health).

Staff expertise, research experience and a commitment to developing a better understanding of health and the prevention of ill health provide a supportive and enriching experience.

Career prospects
Students graduating in the last three years have secured posts in local government, NHS Trusts and the Department of Health/Ministry of Health, research posts at UCL and other universities, and research institutes both in the UK and abroad.

entry requirements
- Dental Public Health MSc: applicants should hold a UK medical or dental qualification, or an overseas qualification of an equivalent standard. Applicants must also have a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline and show evidence of numeracy.
- Health and Society: Social Epidemiology MSc: a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Applicants must also have Graduate Basis for Registration (GBR) with the British Psychological Society (BPS).

Entry requirements
- Dental Public Health MSc: applicants should hold a UK medical or dental qualification, or an overseas qualification of an equivalent standard. Applicants must also have a minimum of an upper second-class UK Bachelor’s degree in Psychology, or an overseas qualification of an equivalent standard. Applicants must also have Graduate Basis for Registration (GBR) with the British Psychological Society (BPS).

Career prospects
Recent graduates have secured research posts at UCL (including the Institute of Neurology and the Division of Population Health) and the London School of Hygiene and Tropical Medicine, academic posts in the UK and abroad (including China, Thailand and Nigeria), posts in local government, NHS Trusts and the pharmaceutical industry, or have gone on to undertake a research degree either at UCL or elsewhere.

Research programmes
- MPhil/PhD: FT3, PT5

Research areas are:
- Cardiovascular epidemiology
- Dental public health
- Disability and health
- Gender, family and health
- Genetic epidemiology
- Health and income
- Health behaviours including diet, physical activity, alcohol and smoking
- Health care evaluation
- Health in Central and Eastern Europe
- Health economics
- Inequalities in health
- Inequalities in nutrition
- Labour market status and health
- Physical and mental capacity and ageing
- Population health across the life course
- Psychosocial cause of ill health
- Social determinants of health
- Socioeconomic and ethnic inequalities in infant and child health
- Statistical methodology
- Work, stress and health.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Taught programmes
- Dental Public Health MSc: FT1, PT2
- Health and Society: Social Epidemiology MSc: FT1, PT2
- Postgraduate Diploma: FT9m, PT2
- Health Psychology MSc: FT1, PT2

Contact details
Research programmes:
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EMAIL: a.opitz@ucl.ac.uk
TEL: +44 (0)20 3108 2097

Health Psychology MSc:
Miss Claire Mimnagh
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TEL: +44 (0)20 7679 5683

All other MSc programmes:
Ms Catherine Conroy
EMAIL: graduateinfo@public-health.ucl.ac.uk
TEL: +44 (0)20 7679 1680

Funding
ESRC, MRC, MRC/ESRC, Cancer Research UK, Diabetes UK, Wellcome Trust and British Heart Foundation studentships have been secured in the past. Recognised ESRC and MRC training outlet.

Further information on pages 26–31
HEALTH INFORMATICS AND MULTIPROFESSIONAL EDUCATION

UCL’s Centre for Health Informatics and Multiprofessional Education (CHIME) aims to build practical informatics solutions in partnership with our local NHS Trusts. A second aim is to provide flexible, accessible education and professional development for clinicians and managers in health service development.

The new Health and Medical Sciences MSc allows students to construct a personalised programme to meet their needs, choosing from a library of clinical and generic modules from across UCL, statistics and sociology.

Our academic staff are from diverse academic, clinical and professional backgrounds with international reputations in fields such as electronic healthcare records, medical use of the internet, computer-assisted radiology, clinical governance and clinical risk management.

Our programmes are acknowledged as market leaders by companies – including Cerner and Dr Foster – and by the NHS, for whom they provide a graduate training programme.

Research programmes

<table>
<thead>
<tr>
<th>MPhil/PhD</th>
<th>FT3</th>
<th>PT5</th>
</tr>
</thead>
</table>

Entry requirements

A minimum of an upper second-class Bachelor’s degree in a relevant discipline (such as medicine, nursing, pharmacy, health service management, librarianship, psychology, information science or computing) from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Most MSc graduates have gone on to work in clinical or information management roles in health services in the UK or overseas. Others have moved into academic careers or taken positions in industry. Businesses employing CHIME graduates include companies selling information services and information technology into the healthcare sector but also the insurance and pensions industries.

Contact details

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Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

A number of EPSRC studentships are available to UK/EU students applying to the Health Informatics MSc.

Further information on pages 26–31

Related departments

Cardiovascular Science, page 116
Child Health, page 117
Computer Science, page 77
Epidemiology and Public Health, page 118
Infection and Population Health, page 120
Medical Physics and Bioengineering, page 81
Mental Health Sciences, page 53
Primary Care and Population Health, page 121
Women’s Health, page 122

Mark Pratt
Health Informatics MSc

I am an NHS Graduate Management Trainee on the Informatics specialism. UCL was the chosen provider for the Master’s as part of this scheme. My programme is fully funded by the NHS Graduate Management Training Scheme. When I’m not studying I’m kept busy with other aspects of the NHS Graduate Management Training Scheme. Once I’ve completed the MSc and the rest of the scheme, I hope to secure a permanent role in the NHS in the area of health informatics.

Research areas are:

• Clinical governance
• Computer-aided detection of disease
• Decision support systems
• Electronic healthcare records
• Health service research
• Information governance and security
• Patient safety
• Patient use of technology
• Social networks.

Entry requirements

• Health and Medical Sciences MSc: a medical degree (MBBS) or a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.
• Health Informatics MSc: a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects

CHIME research students go on to a variety of roles in academia, health services – in the UK and abroad – and industry. In recent years most of our PhD students have combined study with paid employment on research projects and have moved on into academic positions.

Taught programmes

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<tr>
<th>Programme</th>
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<td>Health and Medical Sciences MSc</td>
<td>PT2</td>
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<td>Postgraduate Diploma</td>
<td>PT2</td>
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<td>(flexible 2-5 years)</td>
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<tr>
<td>Postgraduate Certificate</td>
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<tr>
<td>(flexible 2 years)</td>
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<tr>
<td>Health Informatics MSc</td>
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<td>(flexible 2-5 years)</td>
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<td>Postgraduate Diploma</td>
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<td>Postgraduate Certificate</td>
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</tbody>
</table>
INFECTION AND POPULATION HEALTH

Multi-disciplinary research on the drivers, treatment and control of infectious disease locally and globally, and a commitment to improving health, make the department an ideal environment in which to pursue graduate studies.

Our expertise in epidemiological, clinical, statistical and behavioural sciences and collaborative relationships with laboratory sciences (virology, immunology) and social sciences (anthropology, economics) provides an incredibly rich learning environment.

Our research ranges from observational aetiological studies through to clinical trials and complex behavioural and health service interventions, providing a diverse and expert knowledge base for teaching and research.

We work at local (London Boroughs), national and international (Africa, India, China, Europe) levels to realise our goal, to reduce the population impacts of infection and to promote individual health.

Principal research areas are:
- **Behavioural science and HIV**: reproductive issues, suicide, bereavement, prevention of transmission, ethical and legal aspects of living with HIV, policy
- **Clinical (genito-urinary medicine), epidemiological and behavioural research**
- **Epidemiology**: prevention and treatment of infections (especially HIV and other sexually transmitted infections)
- **Large treatment cohorts**: mechanisms of action and the impact of multi-drug anti-HIV therapy.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or a medical degree or an overseas qualification of an equivalent standard. A relevant Master’s degree is desirable.

Career prospects
Students graduating in the last three years have secured posts at UCL, the MRC General Practice Research Framework, Primary Care Trusts and hospitals in the UK and overseas within national sexually transmitted infection control programmes. They have also gone on to research degrees in the UK and Europe, academic training posts and World Health Organisation (WHO) internships.
PRIMARY CARE AND POPULATION HEALTH

We are one of eight departments forming the prestigious National School of Primary Care Research, signalling national and international standing and the quality of our staff, teaching and research agenda.

Our multi-disciplinary research base is reflected in staff expertise in the areas of clinical primary care, health services research, epidemiology, medical statistics and medical sociology.

Close links to the MRC General Practice Framework and PRIMENT, a UK CRC Clinical Trials Unit, provide access to data and expertise in primary care and mental health research.

Methodological strengths in quantitative and qualitative research methods, the opportunity to analyse large clinical databases, and a strong supportive divisional culture for graduate research provide excellent opportunities.

Principal research areas are:

- Cardiovascular epidemiology
- Care of older people: effective primary care for older people and the integration of health and social care
- e-Health and use of new technologies in health and health care
- Effectiveness and safety of health care interventions through routinely collected data
- Mental health research: effectiveness of interventions for severe and minor mental health problems
- Primary care education
- Risk factors for cardiovascular disease.

Entry requirements

- MPhil/PhD degree: candidates require a minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard. A relevant Master’s degree from an appropriately accredited institution is desirable.
- MD(Res): candidates must have been awarded the University of London MBBS or a registered primary qualification in Medicine and be eligible for full registration or hold limited registration with the UK General Medical Council (GMC).

Career prospects

Students graduating in the last three years have moved into research posts at UCL and other research or academic institutions or have taken up roles within the NHS.

Research programmes

<table>
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<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>MPhil/PhD</td>
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<tr>
<td>MD(Res)</td>
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</table>

Contact details

Ms Maryanne Ogbogbo
EMAIL m.ogbogbo@ucl.ac.uk
TEL +44 (0)20 7794 0500 (ext 36726)

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

MRC Fellowships, Wellcome Fellowships and National School of Primary Care Studentships.

Further information on pages 26–31

Related departments

- Cardiovascular Science, page 116
- Epidemiology and Public Health, page 118
- Health Informatics and Multiprofessional Education, page 119
- Infection and Population Health, page 120
- Mental Health Sciences, page 53
The UCL Institute for Women's Health provides an academic environment in which students can develop and pursue research at the highest level.

The institute provides opportunities for research in laboratories and groups at the leading-edge internationally in a recognised centre of excellence.

We develop research and academic skills of scholarship and enable our students to learn from, and contribute to, the broader objectives in women's health in basic and clinical science.

Our research programmes develop and foster specific research skills as well as generic and transferable skills, enabling students to compete in the broadest range of career opportunities.

**Research programmes**

- MPhil/PhD
- MD(Res)
- Postgraduate Diploma
- Postgraduate Certificate
- MSc

**Research opportunities that may be offered include:**
- Cancer screening
- DNA methylation analysis
- Early diagnosis of breast and gynaecological cancers
- Early placental development and pregnancy failure
- Epigenetic studies
- Fetal medicine and fetal therapy
- Fetal, neonatal, and adult gene transfer for disease modelling
- Fetal stem cell transplantation
- Genetic susceptibility to ovarian cancer
- Genetic and biochemistry of sexual development
- Infection and immunology of preterm birth
- Maternal medicine
- Mechanisms of platinum resistance
- Molecular pathology studies
- Oocyte growth and maturation
- Ovarian cancer biology
- Pathophysiology of pre-eclampsia
- Predicting future health after pregnancy
- Preimplantation development, genetics, and diagnosis
- Perinatal brain injury – mechanisms and repair
- Perinatal and neonatal brain protection
- Prenatal genetics and gene therapy
- Prenatal screening and diagnosis
- Preterm birth and its prevention
- Proteomic studies
- Reproductive endocrinology
- Reproductive ethics
- Women's cancer risk prediction.

**Entry requirements**

- A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline, or an overseas qualification of an equivalent standard, or a recognised Master’s degree.

**Career prospects**

Recent graduate destinations include academic research posts in the UK at UCL and Oxford University, and overseas at the University of Athens. Other graduates have taken up positions with organisations such as Pfizer and the Institute of Cancer Research UK. MD(Res) graduates have gone on to take up NHS consultant posts in obstetrics and gynaecology.

**Taught programmes**

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<tr>
<th>Programme</th>
<th>FT1</th>
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<th>PT3</th>
<th>PT5</th>
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<td>Haemoglobinopathy MSc</td>
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<td>Postgraduate Certificate</td>
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<tr>
<td>Prenatal Genetics and</td>
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<tr>
<td>Fetal Medicine MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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<tr>
<td>Reproductive Science and</td>
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<tr>
<td>Women’s Health MSc</td>
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<tr>
<td>Postgraduate Diploma</td>
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**Entry requirements**

- A minimum of an upper second-class Bachelor's degree in a relevant discipline, or a medical qualification (MBBS), from a UK university or an overseas qualification of an equivalent standard.

**Career prospects**

Recent graduates have used their knowledge to work as clinical embryologists or scientists in the UK at University Hospital Coventry and Hammersmith Hospital, and overseas. Graduates with a clinical background have gone on to careers in fetal medicine or reproductive health within organisations such as King's College Hospital while others are studying for PhDs at institutions including UCL and the University of Oxford.

**Funding**

Further information on pages 26–31
The UCL School of Slavonic and East European Studies (SSEES) is a world-leading specialist institution, bringing together a unique range of humanities and social science disciplines, and an unparalleled range of languages. Founded in 1915, SSEES is by far the largest such institution in the UK engaged in training and research on Central, Eastern and South-East Europe, the Baltics and Russia.
SLAVONIC AND EAST EUROPEAN STUDIES

UCL SSEES has the largest concentration of specialists in the UK engaged in training and research on Central, Eastern and South-East Europe, the Baltics and Russia.

The school offers a unique combination of disciplinary and interdisciplinary programmes as well as an unparalleled range of languages.

The SSEES Library collections comprise c.400,000 printed volumes, two-thirds of which are open access, and extensive archive and audio-visual holdings.

UCL SSEES leads two major collaborations: CEELBAS and the International Master’s (IMESS). Scholarships, internship opportunities and excellent links with other universities in the region provide further benefits.

SSEES has multi-disciplinary expertise across the humanities and social sciences, including history, economics and business, political science, international relations and security studies, sociology, anthropology, cultural studies, film, gender studies, linguistics, literature and thought.

Recent SSEES doctoral projects include:
• Being European: Russian Travel Writing and the Balkans, 1804–1877
• Being without a State: the Thought of Petr Kropotkin between Statehood and Statelessness
• Cinematic Borderlands: Ukrainian Poetic Cinema and the ‘Experiential Ethnographic Modality’
• Competition and Entrepreneurship as Engines of Growth
• Electoral Performance of Populist Radical Right Parties
• Gender in the Croatian nationalist struggle
• Institutions, Financial Crises and Welfare
• The Portrayal of Female Sexual Desire in Twentieth-century Czech Literature.

SSEES leads the inter-university Centre for East European Language-Based Area Studies (CEELBAS). The multi-disciplinary strength of SSEES and CEELBAS also facilitates comparative interdisciplinary and collaborative research. Seminar series, workshops and major international conferences are open to SSEES students.

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree, and usually a Master’s degree in a relevant subject, or an overseas qualification of an equivalent standard. Students intending to seek Research Council funding are required to undertake a Master’s degree first.

Career prospects

Recent graduates have found employment in leading UK universities and abroad, as lecturers and researchers; as editors for large publication houses such as Fontanka Publications; as interpreters for organisations such as Service Interpreters; as researchers for government departments and think-tanks including the Samsung Economics Research Institute.

Taught programmes

International Master’s in Economy, State and Society: Economics and Business (IMESS)
International Master’s in Economy, State and Society: Nation, History and Society (IMESS)
International Master’s in Economy, State and Society: Politics and Security (IMESS)
East European Studies MRes
Politics and Economics of Eastern Europe MRes
Central and South-East European Studies MA
Comparative Business Economics MA
Comparative Economics and Policy MA
History MA
Identity, Culture and Power MA
Politics, Security and Integration MA
Russian and East European Literature and Culture MA
Russian Studies MA

Entry requirements

Normally an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Applicants with a good lower second-class UK Bachelor’s degree (pass of 55% or better) or equivalent may also be considered on an individual basis.

Career prospects

Popular destinations of our recent graduates include government service, international agencies and non-governmental organisations, the media, teaching, law and consultancy. Examples include Assistant to the Head of the European Commission; Opera Producer; Government Administrator, Ministry of Defence; Citigroup. Others have pursued further study and research.

TUITION FEES

Contact details

Research details:
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Funding

AHRC and ESRC Scholarships for MA, MRes and PhD study and IMESS Studentships are available. The SSEES Foundation Scholarship for PhD study is awarded annually. The Victor and Rita Swoboda Memorial Fund Scholarship supports a PhD in Ukrainian Studies.

Further information on pages 26–31

Related departments

Economics, page 129
European Studies, page 44
History, page 131
Political Science, page 133
The disciplines within the Faculty of Social and Historical Sciences bring rigorous analytical techniques to bear on the understanding of economic, social and cultural issues in the present and the past. The humanities and sciences meet here, informing and enriching one another.

Institute of the Americas 126
Anthropology 127
Archaeology 128
Economics 129
Geography 130
History 131
History of Art 132
Political Science 133
The Institute of the Americas is a focus for research, teaching and public debate on all aspects of the Caribbean, Latin America, the United States and Canada. The institute’s staff offer an impressive concentration of expertise that enables students to explore a variety of intellectual interests relating to the Americas.

We encourage comparative and interdisciplinary debate with small-class sizes.

Research programmes

The Institute of the Americas is a hub for world-leading research in several fields of scholarship, including History, Economics, Politics, Social Policy, Environmental Studies, and Development.

Research undertaken by members of staff, associates, visiting fellows, and research students spans the whole of the American continent, from Alaska to Tierra del Fuego.

It also covers the study of relations between regions in the Americas and of relations between the Americas and the rest of the world. The research community is focused on producing ground-breaking research at the forefront of several academic disciplines while contributing to the development of interdisciplinary approaches to the study of the Americas. It is also actively engaged in research at the interface of the academy and policy, engaging a broad range of stakeholders, including government, NGOs, communications media, and civil society, in the UK, the Americas, and beyond.

Entry requirements

Normally a Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Graduates are employed in universities, think-tanks, government agencies, non-governmental organisations, international bodies, and other institutions around the world.

Entry requirements

- Caribbean and Latin American Studies MA: normally an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. A basic reading competence in Spanish, French or Portuguese is desirable. Students without such skills may be considered but are advised to undertake a separate language course prior to or during their programme.
- United States Studies: History and Politics MA: normally an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. A basic reading competence in Spanish or Portuguese is desirable. Students without such skills may be considered but are advised to undertake a separate language course prior to or during their programme.
- All other programmes: normally an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard. A basic reading competence in Spanish or Portuguese is desirable. Students without such skills may be considered but are advised to undertake a separate language course prior to or during their programme.

Career prospects

Graduates are employed in universities, think-tanks, government agencies, non-governmental organisations, international bodies, and other institutions around the world.
The UCL Anthropology Department was the first in the UK to integrate biological and social anthropology with material culture into a broad-based conception of the discipline.

It is now one of the largest anthropology departments in the UK in terms of both staff and research student numbers, offering exceptional breadth of expertise.

Whilst retaining the strength of the three core areas, we continue our commitment to an integrated approach through the incorporation of considerable interdisciplinary and interdepartmental linkages in our programmes.

Students are encouraged to take full advantage of the wider anthropological community in London and the department’s strong links with European universities and international institutions.

The department provides the base for the following reading and research groups:
- Anthropological Issues in Education and Learning (AIEL)
- Aural Culture
- Biosocialities, Health and Citizenship
- Cosmology, Religion, Ontology and Culture (CROC)
- Culture and Human Wellbeing
- A Deleuzional Reading Group
- Human Ecology Research Group (HERG)
- Human Evolutionary Ecology Group (HEEG)
- London Latin America Seminar
- Palaeoanthropology and Comparative Anatomy (PACA)
- Performance, Theatre and Ethnography of the Imagination
- Primate Sexualities: Beyond the Binary
- Reproduction Research Group
- Sustainability, Environment and the Culture of Materials (SEM)
- The Science of the Concrete: Sustainability and other Designs
- Visual Culture.

In addition the department houses the editors of two international journals (Journal of Material Culture and Home Cultures) and runs five weekly seminars (Biological Anthropology, Material Culture, Medical Anthropology, Social Anthropology, West Africa), which will enable you to draw from, and participate in, leading research across the discipline.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects
Many of our MPhil/PhD graduates have taken up lectureships in universities in the UK and abroad, or continue their research interests through fellowships and other research posts. Several now occupy important roles in government departments, in aid and development work, in public policy, and in publishing and in the media.

Contact details
Research programmes:
Postgraduate Co-ordinator
EMAIL christopher.russell@ucl.ac.uk
TEL +44 (0)20 7679 8622

Taught programmes:

<table>
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<tr>
<th>Taught programmes</th>
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<tr>
<td>Material and Visual Culture MA</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Anthropology, Environment and</td>
<td>FT1</td>
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<td>Development MSc</td>
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<td>Digital Anthropology MSc</td>
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<tr>
<td>Human Evolution and Behaviour MSc</td>
<td>FT1</td>
<td>PT2</td>
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<td>Medical Anthropology MSc</td>
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<td>Social and Cultural Anthropology MSc</td>
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Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
A significant proportion of our recent Master’s graduates have gone on to pursue research degrees either in the department or elsewhere. Others have taken up research posts in the public or private sector, or are employed in non-governmental organisations, major charities, the international development sector, and other areas of education, both in the UK and overseas. Some have also become successful journalists, or work in a variety of roles in the broadcast media, in museums, in film, and in the arts and arts management.

Further information is available at www.ucl.ac.uk/current-students/money

www.ucl.ac.uk/gradprospectus/anthropology | 127

Contact details
Research programmes:
Postgraduate Co-ordinator
EMAIL christopher.russell@ucl.ac.uk
TEL +44 (0)20 7679 8622

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Career prospects
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Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
A significant proportion of our recent Master’s graduates have gone on to pursue research degrees either in the department or elsewhere. Others have taken up research posts in the public or private sector, or are employed in non-governmental organisations, major charities, the international development sector, and other areas of education, both in the UK and overseas. Some have also become successful journalists, or work in a variety of roles in the broadcast media, in museums, in film, and in the arts and arts management.

Further information is available at www.ucl.ac.uk/current-students/money

www.ucl.ac.uk/gradprospectus/anthropology | 127

Contact details
Research programmes:
Postgraduate Co-ordinator
EMAIL christopher.russell@ucl.ac.uk
TEL +44 (0)20 7679 8622

Taught programmes:

<table>
<thead>
<tr>
<th>Taught programmes</th>
<th>FT1</th>
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<tbody>
<tr>
<td>Anthropology MRes</td>
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<tr>
<td>Material and Visual Culture MA</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Anthropology, Environment and</td>
<td>FT1</td>
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<tr>
<td>Development MSc</td>
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<tr>
<td>Digital Anthropology MSc</td>
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<tr>
<td>Human Evolution and Behaviour MSc</td>
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<tr>
<td>Medical Anthropology MSc</td>
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Career prospects
Many of our MPhil/PhD graduates have taken up lectureships in universities in the UK and abroad, or continue their research interests through fellowships and other research posts. Several now occupy important roles in government departments, in aid and development work, in public policy, and in publishing and in the media.

Entry requirements
A Master’s degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Contact details
Research programmes:
Postgraduate Co-ordinator
EMAIL christopher.russell@ucl.ac.uk
TEL +44 (0)20 7679 8622

Taught programmes:

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Career prospects
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Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects
A significant proportion of our recent Master’s graduates have gone on to pursue research degrees either in the department or elsewhere. Others have taken up research posts in the public or private sector, or are employed in non-governmental organisations, major charities, the international development sector, and other areas of education, both in the UK and overseas. Some have also become successful journalists, or work in a variety of roles in the broadcast media, in museums, in film, and in the arts and arts management.
We are the largest and most diverse department of archaeology in the UK and consider research proposals in virtually all aspects of the subject.

Our taught graduate degrees offer advanced teaching and training across nearly all fields of modern archaeology and its applications.

We are international in outlook and membership, with students and staff from over 40 countries, and involvement in field research projects around the globe.

Entry requirements

A Master’s degree in a relevant discipline (pass of 70% or better) from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Doctoral graduates have become university lecturers, senior administrators, senior museum and heritage management curators, postdoctoral researchers and BBC researchers.

Taught programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>FT</th>
<th>PT</th>
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<tbody>
<tr>
<td>Archaeology MA</td>
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<tr>
<td>Archaeology and Heritage of Asia MA</td>
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<td>Archaeology of the Middle East MA</td>
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<tr>
<td>Artefact Studies MA</td>
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<tr>
<td>Cultural Heritage Studies MA</td>
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<tr>
<td>Culture, Materials and Design MA</td>
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<tr>
<td>Egyptian Archaeology MA</td>
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<tr>
<td>Managing Archaeological Sites MA</td>
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<tr>
<td>Mediterranean Archaeology MA</td>
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<td>Museum Studies MA</td>
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<tr>
<td>Principles of Conservation MA</td>
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<tr>
<td>Public Archaeology MA</td>
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<tr>
<td>Research Methods for Archaeology MA</td>
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<tr>
<td>Urban Archaeology MA</td>
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<tr>
<td>Conservation for Archaeology and Museums MSc</td>
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<tr>
<td>Environmental Archaeology MSc</td>
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<tr>
<td>Forensic Archaeological Science MSc</td>
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<tr>
<td>GIS and Spatial Analysis in Archaeology MSc</td>
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<tr>
<td>Palaeoanthropology and Palaeolithic Archaeology MSc</td>
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<tr>
<td>Skeletal and Dental Bioarchaeology MSc</td>
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<tr>
<td>Technology and Analysis of Archaeological Materials MSc</td>
<td></td>
<td></td>
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<tr>
<td>Archaeology Graduate Diploma</td>
<td>FT9m</td>
<td>PT2</td>
</tr>
</tbody>
</table>

Entry requirements

A minimum of an upper second-class Bachelor’s degree in a relevant subject from a UK university or an overseas qualification of an equivalent standard.

Career prospects

Recent Master’s graduates have become field archaeologists, assistant museum curators, research assistants, scenes of crime officers, GIS technicians, archaeological conservators, environmental archaeology specialists, artefact specialists, heritage management officers, and education and outreach officers. Those wishing to pursue further study have enrolled for doctoral degrees in their specialist field at UCL, elsewhere in the UK or at overseas institutions.
UCL’s Economics Department has an outstanding international reputation in the areas of game theory, industrial organisation, econometrics, applied microeconomics, development economics and the economics of migration.

The department is a global leader in policy-oriented research, with members directing and holding senior positions in research centres involved in policy design and evaluation.

We are sufficiently large to be a lively centre for wide-ranging research activity but compact enough for staff to be highly accessible to students.

Research programmes

| MRes + MPhil/PhD | FT4 | PT7 |

Members of the department direct, and hold senior positions in, the research centres listed below, reflecting the expertise and research opportunities within the department:

- Centre for Economic Research on Ageing (CERA) at the Institute for Fiscal Studies
- Centre for Research and Analysis on Migration (CREAM)
- Centre for Microeconomic Analysis of Fiscal Policy and the Centre for the Evaluation of Development Policies (EDePo) at the Institute for Fiscal Studies
- ESRC cemmap
- New Opportunities for Research Funding Agency Co-operation in Europe (NORFACE).

These centres exemplify the use of high-level economic modelling for policy design and evaluation. Residents and visiting economists at these centres contribute to the department’s graduate programmes through lectures, seminars and research supervision. They also provide access to a network of researchers and policy-makers in both public and private sectors who are interested in employing economists with advanced degrees.

There is an active programme of visiting research students studying for doctorates in economics departments in other countries.

Entry requirements

Applicants must have a Master’s degree in Economics or a related subject with distinction-level performance in some elements. They must demonstrate that they are qualified to proceed to research work. The GRE General Test is a required part of the application, except for students whose MSc in Economics is from UCL or who are currently enrolled on the UCL Economics MSc programme.

Career prospects

Recent graduates have obtained posts in leading universities (Barcelona, Bristol, British Columbia, Cambridge, Edinburgh, Essex, Imperial College London, LSE, New York, Oxford, Pompeu Fabra, Princeton, Southampton, Stanford, Surrey, Sussex, Sydney, Texas at Austin, Turin, UCL, California at Los Angeles, Wisconsin, and York), the Bank of England, the Bank of Spain and the World Bank.

Taught programmes

- Economic Policy MSc FT1
- Economics MSc FT1

Entry requirements

A minimum of an upper second-class Bachelor's degree in Economics with a significant advanced quantitative component from a UK university, or an overseas qualification of an equivalent standard. Applicants with a qualification of an equivalent standard in another quantitative discipline, such as statistics, mathematics, engineering or physics, may also be considered.

Career prospects

Recent graduates have obtained posts in various government departments (including the Department for Education and Skills, the Department for Food, Environment and Rural Affairs, the Department of Business, Innovation and Skills, the Department for Transport, the Department for Work and Pensions, HM Revenue and Customs, and HM Treasury), the Financial Services Authority, the European Central Bank, the Bank of China, the Bank of England, Banca d’Italia, the Norwegian Central Bank, the Central Bank of Spain, the Bank of Scotland, various investment banks, oil and chemical companies, insurance companies, economics consultancies, think tanks and research institutes.
We are an international leader in geographical research as demonstrated in successive research assessments and our global impact.

We conduct and supervise the highest quality interdisciplinary research across the full spectrum of geography including the social and environmental sciences and the humanities.

We are committed to theoretically informed empirical research, directed towards the better understanding of major social and environmental issues.

Doctoral students are at the centre of the department’s research culture and play a prominent role in our seminar series. All our graduate students have access to excellent laboratories and state-of-the-art computing facilities.

Research interests include:
- **Cities and urbanisation**: studies of poverty and inequality including housing, infrastructure and socio-economic impacts of globalisation; studies of cities and urban dynamics; regional specialisations include the UK, Europe, Africa, Asia and the Americas
- **Environment, landscape and society**: studies of environmental history and landscape change; environmental politics and decision-making; geographies of risk; social adaptations to climate change and threats to biodiversity
- **Environmental change**: aquatic ecosystem change and climate change on a range of time scales, past, present and future
- **Environmental modelling**: interdisciplinary model-based science to understand environmental systems and their interactions. Research spans climate science, biogeochemical cycles, coastal and estuarine processes, ecological and hydrology systems and remote sensing techniques
- **GIS**: interdisciplinary approaches to spatial decision-making systems using state-of-the-art methodologies and technologies
- **Mobility, identity and security**: cultural and historical geographies of modernity; race, gender and post-colonial theory; geographies of disease; migration and mobility in a global context.

<table>
<thead>
<tr>
<th>Taught programmes</th>
<th>FT3</th>
<th>PT5</th>
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</thead>
<tbody>
<tr>
<td>Aquatic Science MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Climate Change MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>Conservation MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Environment, Science and Society MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Environmental Mapping MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>Environmental Modelling MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Geospatial Analysis MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Globalisation MSc</td>
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<td>PT2</td>
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<tr>
<td>Global Migration MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Modernity, Space and Place MSc</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Remote Sensing MSc</td>
<td>FT1</td>
<td>PT2</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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<tr>
<td>Urban Studies MSc (flexible 3-5 years)</td>
<td>FT1</td>
<td>PT2</td>
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<tr>
<td>Postgraduate Diploma</td>
<td>FT9m</td>
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Geographic Information Science MSc is also offered, in conjunction with the Department of Civil, Environmental and Geomatic Engineering, see page 76.

<table>
<thead>
<tr>
<th>Entry requirements</th>
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<tbody>
<tr>
<td>Normally a UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard.</td>
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<tr>
<th>Career prospects</th>
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<tr>
<td>A significant number of recent graduating doctoral students have gone on to lectureships and many others into university research, at institutions such as King’s College London, the University of Tokyo and the California College of the Arts. Others have entered professions within government, non-governmental organisations and the private sector.</td>
</tr>
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<table>
<thead>
<tr>
<th>Contact details</th>
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</thead>
<tbody>
<tr>
<td>Ms Fiona Mannion</td>
</tr>
<tr>
<td>EMAIL <a href="mailto:masters@geog.ucl.ac.uk">masters@geog.ucl.ac.uk</a></td>
</tr>
<tr>
<td>TEL +44 (0)20 7679 0518</td>
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<tr>
<th>Funding</th>
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<tr>
<td>Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.</td>
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<tr>
<th>Further information on pages 26–31</th>
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<tbody>
<tr>
<td>Check the Geography website for up-to-date funding opportunities: <a href="http://www.geog.ucl.ac.uk">www.geog.ucl.ac.uk</a></td>
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<tr>
<th>Related departments</th>
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<tbody>
<tr>
<td>All Built Environment departments, see list page 65</td>
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</table>

| Civil, Environmental and Geomatic Engineering, page 76 |
UCL is in an ideal location five minutes away from the best concentration of resources for historical research in Europe: the British Library, the Institutes of Historical Research and Classical Studies, the Warburg Institute and the UCL Institute of the Americas.

We offer individual research supervision from world-leading historians and a commitment to individual attention for all students, with dedicated tutoring and small-group teaching.

We have a high success rate in securing studentships and we offer opportunities for paid teaching experience.

Research programmes

MPhil/PhD  FT3  PT5

Research supervision is available in the following fields:
- American, Latin American and Caribbean history
- Ancient history (including the Ancient Near East)
- Early modern and modern history of Britain and Europe
- History of medicine
- Imperial history
- Intellectual, cultural and religious history
- Medieval history
- Transnational history.

The department currently hosts three UK Research Council-funded research projects: Law and the End of Empire (Projet Volterra); Mechanisms of Communication in an Ancient Empire; The Legacies of British Slave-ownership.

Entry requirements

A Master's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

Career prospects

Recent graduates have used their historical training in careers as diverse as journalism, law, teaching, museum and archival work. Others have gone on to further degrees at some of the world’s leading universities such as Columbia, Chicago, Oxford and UCL.

In conjunction with Queen Mary, University of London, the department also hosts the intercollegiate MA in the History of Political Thought and Intellectual History.

For more details of this programme:
WEB www.historyofpoliticalthought.org
EMAIL j.clifford@qmul.ac.uk
TEL +44 (0)20 7882 8370

Contact details

Joanna Fryer
EMAIL history.enquiry@ucl.ac.uk
TEL +44 (0)20 7679 7125

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

Two-three MA and three PhD AHRC Scholarships. Departmental Teaching Studentship (one per year) awarded to the highest ranked applicant for a research degree who fails to obtain funding from other sources. A number of bursaries for MA students. Richard Chattaway Scholarship (worth £2,000) awarded for postgraduate work in the history of modern warfare from 1870. Departmental funding available for conference attendance, archive visits and language training.

Further information on pages 26–31 and www.ucl.ac.uk/scholarships
Our staff are active researchers in a range of specialist fields and there is a thriving graduate community.

Graduate students participate in our weekly graduate seminar, and research students also write, edit and produce the journal Object. We offer opportunities to research students to work as Teaching Assistants in the department.

Our ongoing and extensive contact with other Art History departments facilitates joint skills training as well as interchanges and communication in shared seminars and public events.

In addition to UCL’s own Art Collections, our proximity to national museums and galleries, such as the British Museum, affords access to innumerable artefacts and artworks.

Our staff are active researchers in a range of specialist fields and there is a thriving graduate community.

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Research programmes

MPhil/PhD | FT3 | PT5

Research strengths in the department include:

- Art theory and the history of the discipline
- British, French and German art and architecture c. 1700–1945
- Cross-cultural studies and globalisation
- Materials, objects and practices of art history
- Modern and contemporary art
- Renaissance and early modern studies
- The history of the body and the relationship between art and science
- The history of visual technologies (print, photography, time-based media).

The department is recognised for its long-standing commitment to critical theory and close attention to the object. Our research engages with current debates around theory of the image, visual and material culture, postcolonialism, psychoanalytic theory, as well as Marxist and feminist traditions of art history.

Entry requirements

A UK Master’s degree in a relevant discipline, or an overseas qualification of an equivalent standard. Students are normally required to have achieved an upper second-class UK Bachelor’s or its overseas equivalent at first degree level.

Career prospects

Recent graduates have secured academic positions at top universities and research institutes in the UK, Europe, North America and Asia. Many have also pursued successful curatorial careers at major museums and collections in Britain, including Tate Modern and the Hayward Gallery, and worldwide.

Taught programmes

| FT1 | PT2 |
| History of Art MA |
| Postgraduate Diploma | FT9m |

Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

Career prospects

Most of our recent graduates have pursued art-related careers: many work in museums and galleries as curators or in an administrative capacity; others work in commercial galleries and auction houses, archives, image collections and the heritage industry; several have achieved considerable success in journalism and art criticism. Others have entered publishing, law, insurance, management, teaching and university administration. A significant number of our graduates go on to pursue research degrees in History of Art or related fields, mostly in our own department or at other institutions in Britain and abroad.

Sophie Zweifel
History of Art MA

I chose UCL because of the diverse and compelling research interests of the staff in my department. The MA was structured in such a way that I was really able to benefit from this great variety of engaging topics of study. London has been an incredible place to study History of Art. Whether looking over anatomical atlases at the Wellcome Collection next door to UCL, attending a seminar at the National Gallery, or taking part in the city’s many art fairs and public events, being in London has really allowed me to experience what I am studying first hand. London has an incredible selection of libraries. The Warburg and Wellcome Collections proved to be tremendously useful for specific research needs throughout the year, while the British Library has become one of my favourite places to study and write.

Contact details

Ms Jessica Dain
EMAIL j.dain@ucl.ac.uk
TEL +44 (0)20 3108 4012

Tuition fees

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

Funding

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

The department awards three half-fee bursaries to Master’s or research students liable to pay overseas fees.

Further information on pages 26–31

Related departments

All Built Environment departments, see list page 65

Fine Art, page 45
UCL's Department of Political Science is recognised as a centre of excellence in the field; our research was rated among the top six in the UK (RAE 2008).

We are Britain's only department of Political Science focused on graduate teaching and research.

The Constitution Unit, located within the department, is the UK's foremost independent research body on constitutional change.

We are affiliated with the UCL Institute for Human Rights, UCL European Institute, UCL Centre for Security and Crime Science and the Centre for Philosophy, Justice and Health.

Academic staff have a strong record of research and publication within all the main subfields of politics, including:

- **British politics**: Constitutional and parliamentary politics; the politics of ethnicity; political campaigns and electoral behaviour; comparative urban and local politics; public opinion
- **Comparative politics and government**: Democratization and democracy promotion; the politics of ethnicity; political campaigns and electoral behaviour; comparative urban and local politics; public opinion
- **EU politics and public policy**: EU decision-making and institutions, regulation and delegation, lobbying, constitutionalism, citizenship and democracy
- **Human rights**: Human rights and non-state actors; corporate responsibility for human rights violations; theories of human rights and justice; adjudication and interpretation in international legal bodies; democracy, religion and human rights standards; trade and human rights; global poverty and human rights; militias; non-governmental organisations (NGOs) and transnational corporations
- **International relations**: International peace and security; globalisation and global governance; international migration; international finance and the political economy of development
- **Political economy**: Comparative and international political economy; distributive politics; public spending and budgeting; economics of happiness; behavioural genetics; political economy of energy and climate change
- **Public policy**: Business-government relations, including EU and the USA; formal models of executive and bureaucratic politics; and public ethics

- **Political theory**: The history of modern political thought – particularly nationalism, liberalism and republicanism; multi-culturalism, tolerance and citizenship; democracy and constitutionalism within and beyond the nation state; contemporary political philosophy.

Students can also apply to carry out research jointly supervised with another UCL department if their subject would benefit from expertise across disciplines e.g. with Law, Economics, Geography.

**Entry requirements**

A minimum of an upper second-class UK Bachelor’s degree or its overseas equivalent, plus evidence of graduate research experience.

**Career prospects**

Our research students have entered a wide range of career paths including top academic positions in UK and overseas institutions (e.g. Oxford, Tokyo), international organisations (e.g. United Nations, European Commission), private sector (e.g. BNP Paribas, GlaxoSmithKline), NGOs (e.g. Smithsonian Institution, Amnesty International) and government (e.g. Foreign and Commonwealth Office, House of Commons).

**Taught programmes**

- **Human Rights MA**
- **Legal and Political Theory MA**
- **Democracy and Comparative Politics MSc**
- **European Public Policy MSc**
- **Global Governance and Ethics MSc**
- **International Public Policy MSc**
- **Public Policy MSc**
- **Security Studies MSc**

**Entry requirements**

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline in UK and overseas institutions (e.g. Oxford, Tokyo), international organisations (e.g. United Nations, European Commission), private sector (e.g. BNP Paribas, GlaxoSmithKline), NGOs (e.g. Smithsonian Institution, Amnesty International) and government (e.g. Foreign and Commonwealth Office, House of Commons).

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- **Public Policy MSc**
- **Security Studies MSc**

**Entry requirements**

A minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard.

**Career prospects**

There are excellent career prospects for students including top policy, research and management positions as well as opportunities for further academic study. Destinations include policy work in constituencies, civil service, local government and parliaments (UK and overseas). Recent graduates are now working in the Cabinet Office, House of Commons, London Assembly and the United Nations. In addition, students have joined international organisations, international non-governmental organisations, EU institutions, think-tanks and consultancies including Amnesty International, Oxfam and the European Court of Human Rights amongst others.

**Related departments**

- Economics, page 129
- European Studies, page 44
- Geography, page 130
- Law, page 84
- Philosophy, page 50
- Slavonic and East European Studies, page 124

**Contact details**

SPP Administrator
EMAIL spp.pg@ucl.ac.uk
TEL +44 (0)20 7679 4982/4950

**Tuition fees**

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

**Funding**

Three Wolfson Postgraduate Scholarships in the Humanities will be available for PhD students starting in 2013 in the areas of literature, language and history.

The department has ESRC Scholarships available for Master’s and PhD study. Further details at www.ucl.ac.uk/spp/teaching/funding

A departmental studentship and partial bursaries are available from the Department of Political Science and Constitution Unit for research students applying for entry in 2013/14.

Several Departmental Postgraduate Teaching Assistantships are available annually for enrolled PhD students.

Further information on pages 26–31

**Your prospectus is also available in PDF format at www.ucl.ac.uk/gradprospectus/polsci**
UCL Australia is one of two UCL campuses outside the UK and provides industry-focused programmes in the field of energy and resources. The campus is located in the award-winning Torrens Building, in the centre of Adelaide, South Australia’s capital city.

UCL Australia

CRICOS Provider No. 03095G
UCL Australia is training the next generation of energy and resources professionals through a unique multi-disciplinary Master's programme and PhD research opportunities.

MSC students undertake a two-year full-time or three- to five-year part-time programme, including the possibility of an industry research project, enabling them to gain significant in-depth experience of the sector.

While all awards are degrees of UCL, they also meet the requirements of the Australian Qualifications Framework (AQF).

The school enjoys strong links to major companies like Santos and BHP Billiton, and also to government and research institutes.

Research programmes

PhD FT3 PT5

UCL Australia has multi-disciplinary expertise across the energy and resources sector. The research at UCL Australia can be grouped into three broad themes.

- Energy technologies, mining and resources management
- International energy policy
- Space and climate science

Joint supervision of PhD research projects with UCL colleagues based in London is possible.

Entry requirements

A minimum of a second-class (upper division) UK or Australian Bachelor's degree or an Australian four-year Bachelor's undergraduate degree awarded with Honours and an overall grade of B+, in an appropriate discipline (for example, engineering, economics, science, law or business) or an equivalent qualification. Alternatively, an Australian undergraduate degree and at least five years' work experience in a relevant industry or government sector (for example, energy and resource companies, policy organisations, regulatory bodies). Equivalent international qualifications are also acceptable.

Career prospects

A PhD degree indicates a highly qualified researcher, capable of independent analytical thought. It is a well-regarded qualification for those wishing to attain senior management positions in the public service, private industry and consulting companies and is essential for those interested in pursuing careers in academia.

Taught programmes

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UCL Australia operates a two-semester academic year, with the first semester for students commencing in late February and the second semester commencing in late July. There are entry points to all programmes at the start of both semesters.

Entry requirements

A minimum of a second-class (upper division) UK or Australian Bachelor's degree in an appropriate discipline (for example, engineering, economics, science, law or business) or an equivalent qualification. Alternatively, an Australian undergraduate degree and at least five years' work experience in a relevant industry or government sector (for example, energy and resource companies, policy organisations, regulatory bodies). Equivalent international qualifications are also acceptable.

Career prospects

Graduates will benefit from a depth and breadth of technical and practical skills that will enable them to pursue senior management careers in the energy and resources sector with a particular emphasis on policy, strategy and planning.

Applications for all programmes are made online via the UCL Australia website (www.ucl.ac.uk/australia).

Part-time study is not available for certain visa categories, including those students wishing to study in Australia on a student visa. Please go to www.immi.gov.au for more information.

Further information about UCL Australia’s programmes and facilities can be found at www.ucl.ac.uk/australia.

To find out more about living and studying in Adelaide, visit www.studyadelaide.com.
UCL Qatar is situated in Doha, the capital of Qatar, which is at the heart of the Arab and Islamic worlds. It is part of Education City, the flagship programme of Qatar Foundation for Education, Science and Community Development. UCL Qatar provides outstanding graduate training and research opportunities in archaeology, conservation and museum studies, positioning Qatar as the leading centre of excellence for cultural heritage studies in the Gulf.
UCL Qatar is a partnership between Qatar Foundation, the Qatar Museums Authority, and UCL, offering innovative graduate programmes in archaeology, conservation and museum studies, with a curriculum carefully tailored to focus on the Gulf and the wider Arab and Islamic worlds.

Housed alongside a number of the world’s leading universities at the groundbreaking Education City campus in Doha, UCL Qatar’s facilities include nine state-of-the-art materials science and conservation laboratories as well as modern teaching spaces.

Each degree programme incorporates extended placements at museums and heritage sites across the region, enabling tailor-made training and research opportunities for our students.

Several prestigious research projects from the UCL Institute of Archaeology have been relocated to Qatar. Among these are excavations and site projects in Sudan, Egypt and Turkmenistan.

**Taught programmes**

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**Entry requirements**

A minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

**Career prospects**

Our Master’s programmes were launched in 2012. We expect our graduates to work as archaeologists or in leading professional roles within the cultural heritage sector.

**Staff View**

Dr Voula Goffomitsou
Lecturer in Conservation Studies

Understanding the role cultural/aesthetical issues play in the decision making process in conservation and how, in this context, these affect the object/monument in a physicochemical level is my key research area. Decision-making processes in conservation require a better understanding on how the discipline is currently selecting treatments and methodologies and which motivations are driving these selections in different contexts. The processes and the results of conservation treatments need to be examined in relation to a number of factors such as the specific aesthetics of an area and not only the professional ethical codes. The location of UCL in Qatar gives me a unique opportunity to work on this project and collaborate with researchers from around the world to compare practices and views regionally and internationally.

**Contact details**

Mr Brett Kershaw
EMAIL admissions.qatar@ucl.ac.uk
TEL + 974 4457 8688

**Tuition fees**

Up-to-date tuition fee information is available at www.ucl.ac.uk/current-students/money

**Funding**

UCL Qatar funding information available at: www.ucl.ac.uk/qatar

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