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.

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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.
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, Or Foster and AGI) and advisers to large government departments including the Ministries of Defence and Transport, and the Department for Communities and Local Government.

Contact details
Postgraduate Administrator
EMAIL casa@ucl.ac.uk
TEL +44 (0)20 3108 3877

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

Funding
Occasional studentships attached to research grants are advertised on our website (www.casa.ucl.ac.uk)
All Built Environment funding opportunities are advertised at: www.bartlett.ucl.ac.uk/programmes/applying/funding-and-scholarships

Further information on pages 26–31

Related departments
Archeology, page 128
All Built Environment departments, see list page 65
Civil, Environmental and Geomatic Engineering, page 76
Computer Science, page 77
Geography, page 130

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.

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.

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.

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

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

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

Research programmes

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Research programmes

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Researchers

25 academic staff
13 research students
137 taught students

Research Assessment 2008
75% rated 4* or 3* (see page 5)
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).

UCL’s Master’s programmes are internationally respected and recognised and all the alumni I’ve met look back at their time in UCL with gratitude and happiness. Urban design in the developing world is gathering growing attention due to its unique ability to tackle economic, political, spatial and social divides that exist in cities throughout the world. My field allows me to get a multi-disciplinary perspective on a myriad of urban problems while providing me with the critical skills needed to address these issues in a professional setting. After UCL, I hope to continue working with national and municipal governments in the Global South to help fight marginalisation and poverty in cities.

Research programmes

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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

Graduating MSc students have taken up a wide variety of positions in the public and private sectors. These include government ministries and agencies (e.g. Sida; DFID; Jaipur Development Authority), and local authorities (e.g. Local Authority of Croydon, London), urban design and development consultancies (e.g. Aecom; African Vision), and pure commercial organisations (e.g. Standard Chartered Bank; BP). Others have entered professional positions in international organisations (e.g. UN Habitat; WWF) and NGOs (e.g. Shelter; Care International). Some have gone on to undertake further studies.
Peter Warren  
Energy Policy and Economics PhD

I am very interested in the growing importance of the transition to a low carbon society and what policies can effectively enable this. Moving to a low carbon energy supply and enabling people to reduce energy demand are key to achieving this. I am fully funded through the Centre for Doctoral Training (CDT) in Energy Demand Reduction at the UCL Energy Institute. The funding comes from the UK Engineering and Physical Science Research Council (EPSRC). The scholarship covers an MRes in Energy Demand Studies in the first year followed by a MPhil/PhD in the remaining three years. Upon completion of my studies I hope to produce and present documentaries on sustainability and the environment.

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

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.

Research programmes
Energy MPhil/PhD FT3 PT5

The main research areas are:
- Energy and health
- Energy and the built environment
- Energy and transport
- Energy conversion
- Energy demand reduction
- Energy economics
- Energy engineering
- Energy policy and law
- Energy resource constraints
- Energy systems modeling
- People and energy
- Smart energy systems.

Entry requirements
A minimum of an upper second-class UK Bachelor’s degree in a relevant subject from a UK university, or an overseas qualification of an equivalent standard. A Master’s degree or equivalent is highly desirable. In exceptional cases, where they have other suitable research experience, applicants without a Master’s degree may be admitted.

Career prospects
Our first research degree students are only now beginning to graduate. This small group of alumni have gone on to obtain competitive positions as postdoctoral researchers within the Institute and other UCL Bartlett departments and others have entered professional positions at organisations such as the International Energy Agency in Paris.

Taught programmes
- Energy Demand Studies MRes FT1
- Economics and Policy of Energy and the Environment MSc (flexible 3-5 years) PT2
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.

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**

In addition to obtaining expertise in one of the built environment sciences, students on the MPhil/PhD programme possess knowledge and techniques in a rich array of subjects such as statistics and spatial analysis that are relevant to a wide range of fields of endeavour. Students who successfully complete a PhD at the Bartlett School of Graduate Studies have gone on to successful careers in academic teaching and research as well as consultancy, policy and architectural practice.

The Virtual Environments, Imaging and Visualisation EngD is supported by the EPSRC.

Further funding information on pages 26–31

**Related departments**

All Built Environment departments, see list page 65

Civil, Environmental and Geomatic Engineering, page 76

Computer Science, page 77
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 explored in a variety of problem-solving activities and real-life scenarios, with our students being pushed to achieve dynamic results.

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.

Research programmes

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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 an equivalent standard.

Career prospects

Grades 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.

Tuition fees

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

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

Further funding information on pages 26–31

Related departments

All Built Environment departments, see list page 65

Civil, Environmental and Geomatic Engineering, page 76