



UCL

**WE'RE
THE BARTLETT.**

**WE'RE HERE
TO BUILD A
BETTER FUTURE.**

PROSPECTUS 2019

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WELCOME

**WE'RE THE BARTLETT,
UCL'S FACULTY OF THE BUILT ENVIRONMENT.
WE'RE HERE TO BUILD A BETTER FUTURE.**

Our work is all about human spaces. Yes, that means physical structures like homes, buildings and cities. But also the invisible structures that govern these things: political and legal systems; financial frameworks and social norms; even our understanding of the past, present and future. Combining design, history, theory, digital representations and models across all of these areas, we understand the structures shaping society today – and we work to make them fairer and more prosperous.

That's why we can design buildings for places battered by extreme weather. It's why we can develop emergency shelters for populations shattered by war. We can show that global shipping has a higher carbon footprint than the whole of Brazil, and develop remote technologies that allow a surgeon in the UK to operate on a patient in the US.

We can show why government agencies can be just as entrepreneurial as Facebook and Amazon, and we can shape the policies that make this happen.

None of this is possible without shared wisdom. With architecture and planning alongside disciplines such as energy, sustainability, public purpose and prosperity, our 12 Schools, Institutes and Centres are able to share perspectives in a way unlike any other faculty

at any other university. And being in London, with all its history and resources, we're proud to partner with leading institutions from industry, government and beyond. Through generous conversations, enduring collaboration, and true diversity across our students and staff, we'll overturn failing systems and build new ones that allow people to live better lives.

Although our work is about the shape and structure of human environments, our ambition is boundless – and the possibilities are endless.

OUR PROFILE

- Located within the UK's largest multidisciplinary faculty of the built environment, in one of the world's top universities.
- Based in central London, close to world-leading architectural, engineering and creative practices, many of whom are our partners.
- Host to students from over 40 nations, many of them among the most sought-after in the world for their drive, creativity and skills.

FIND OUT MORE

Events, open days and campus tours, come and see UCL for yourself:
ucl.ac.uk/prospective-students



4*

**OUR RESEARCH STAFF
ACHIEVED THE GREATEST
PROPORTION OF 4*
RATINGS OVERALL OF ANY
FACULTY IN THE BUILT
ENVIRONMENT FIELD
(REF 2014)**

15

**WE HAVE BEEN
RANKED THE TOP
ARCHITECTURE SCHOOL
BY THE ARCHITECTS'
JOURNAL AJ100 FOR 15
CONSECUTIVE YEARS**

1ST

**LONDON HAS BEEN
RANKED AS THE TOP
STUDENT CITY IN THE
WORLD (QS BEST STUDENT
CITIES 2018)**

1ST

**WE ARE THE TOP PLACE
TO STUDY ARCHITECTURE
IN EUROPE (QS WORLD
UNIVERSITY RANKINGS
BY SUBJECT, 2018)**

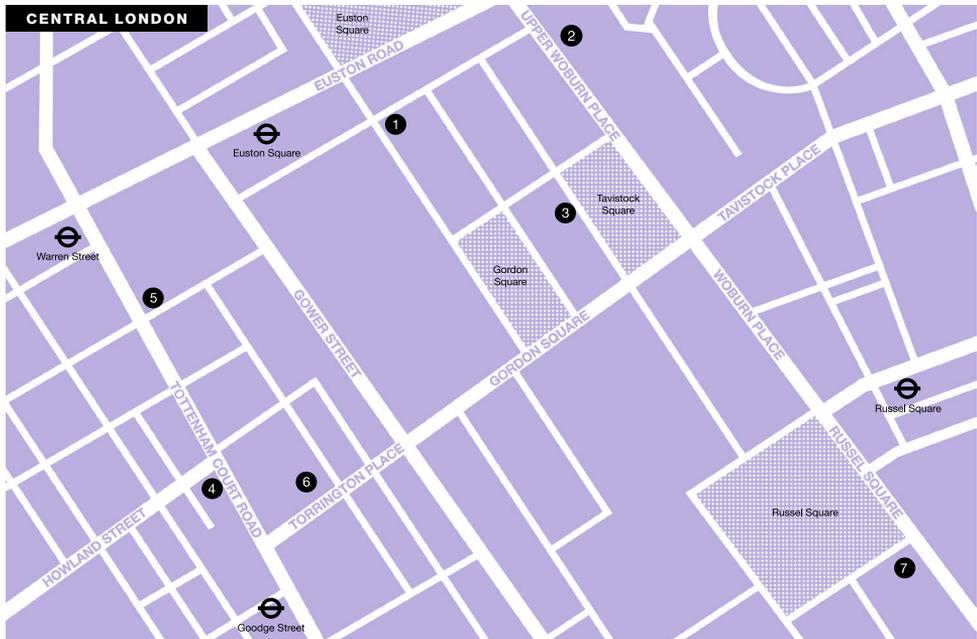
OUR SPACES

The Bartlett is part of London's world-class cluster of cutting-edge expertise in the built environment. Nearby are major firms such as Arup, Foster + Partners, Wilkinson Eyre, Buro Happold, Land Securities, Mace and Zaha Hadid Architects, to name but a few, plus dozens of smaller, studio-sized consultancies.

Within the extraordinary cultural compass of the city, you'll find galleries and collections that relate directly to the built environment,

such as those at the Building Centre, the V&A and the Royal Institute of British Architects. The British Architectural Library at the RIBA is considered one of the best in the world.

Then there's London the physical city itself, a constantly evolving showcase and laboratory for ideas in architecture, infrastructure, planning, development, place-making, urbanism and much more.



1 22 Gordon Street

- The Bartlett School of Architecture

2 Central House

- The Bartlett Library
- The Bartlett School of Planning
- The Bartlett School of Environment, Energy and Resources (BSEER)
 - UCL Energy Institute
 - UCL Institute for Environmental Design and Engineering
 - UCL Institute for Sustainable Heritage
 - UCL Institute for Sustainable Resources

3 34 Tavistock Square

- The Bartlett Development Planning Unit

4 90 Tottenham Court Road

- The Bartlett Centre for Advanced Spatial Analysis

5 149 Tottenham Court Road

- UCL Institute for Global Prosperity

6 1-19 Torrington Place

- The Bartlett School of Construction and Project Management

7 55-56 Russell Square

- UCL Institute for Innovation and Public Purpose

8 Here East

- The Bartlett School of Architecture
- The Bartlett Real Estate Institute
- UCL Institute for Sustainable Heritage
- UCL Institute for Environment Design and Engineering



Photography: Jack Hobhouse

THE BARTLETT
PROSPECTUS 2019







Photography: Jack Hobhouse

OUR FACILITIES

Here East

Cutting-edge collaboration

Based at the Queen Elizabeth Olympic Park in Stratford, UCL's new space at Here East is a collaboration between The Bartlett and UCL's Faculty of Engineering Sciences. It provides an opportunity to undertake groundbreaking research in areas such as architecture, infrastructure, transport robotics, healthcare, manufacturing and environmental measurement. Facilities include:

- Imaging, robotic and computer interfaces
- High-performance environmental chambers, including a human chamber and a thermal chamber
- Light and lighting facilities, including: a dark room and a variable luminance artificial sky
- Teaching labs and field equipment
- B-made workshop

B-made

Rethinking tools, processes and materials

The Bartlett School of Architecture's B-made workshop at 22 Gordon Street and Here East hosts a range of powerful resources, combined with large, open spaces that can be used for full-scale prototyping and assembling. Faculty members, research staff and students are invited to use these, from concept and design stages through to completion. Professional support is provided by our team of expert staff through structured inductions, tutorials and open classes.

Library

Comprehensive collection on the built environment

The Bartlett's library at Central House is one of the most comprehensive collections to be found anywhere on the subjects of architecture, planning, building and construction management. It holds around 40,000 monograph volumes, a technical information section and current editions of more than 250 magazines and journals, as well as large back-runs of older publications.

STUDY WITH US

12 SCHOOLS, INSTITUTES & CENTRES

Design better buildings? Plan better cities? Build sustainable communities? Help meet the challenge of climate change? Whatever your ambitions for the built environment, The Bartlett could be a big step towards them.

Studying here is about the big picture. It's about excelling at an individual discipline in the context of many others, and discovering specialisms, themes and passions that can take you where you want to be, wherever you are in your education or career.

Our undergraduate programmes include architecture, project management, planning and urban studies. You can study for a postgraduate degree or doctorate at any of our schools. We also offer a varied programme of professional, executive education and CPD courses.



Photography: Jack Hobhouse

THE BARTLETT CENTRE FOR ADVANCED SPATIAL ANALYSIS

**AN INTERDISCIPLINARY RESEARCH INSTITUTE
FOCUSING ON THE SCIENCE OF CITIES,
APPLYING IT TO CITY PLANNING, POLICY AND
ARCHITECTURE IN THE PURSUIT OF MAKING
OUR CITIES BETTER PLACES TO LIVE IN.**

HIGHLIGHTS

- We examine and offer solutions to the problems of resource efficiency and effective planning and governance shared by all cities.
- Our focus is on advancing the state of science through research complemented by graduate study, undergraduate teaching and consultancy.
- Programmes draw on some of the world's leading researchers in urban studies, transport and computer science.

The Centre for Advanced Spatial Analysis (CASA) is an interdisciplinary research institute established in 1995 to lead the development of a science of cities, drawing upon methods and ideas in modelling, sensing the urban environment, visualisation and computation.

Our research enables us to examine and offer solutions to issues regarding resource efficiency, effective planning and governance shared by all cities. This plays a central role in the science of smart cities, applying it to city planning, policy and architecture in the pursuit of making our cities a better places to live in. Building the science of cities from an interdisciplinary approach relies on cutting-edge methods and ideas in modelling, complexity, visualisation and computation.

We are in contact with government and industry worldwide, from helping the

“MY EXPERIENCE AT CASA WAS A DEEP DIVE INTO THE SHARED WORLDS OF SPATIAL ANALYSIS, GIS, VISUALISATION, PROGRAMMING, STATISTICS, MODELS, AND SYSTEMS THINKING. IT WAS CHALLENGING BUT ALSO TREMENDOUSLY REWARDING TO LEARN FROM SUCH A DIVERSE GROUP OF LECTURERS AND FELLOW STUDENTS”

**HEIDI MOK,
SPATIAL DATA SCIENCE AND
VISUALISATION MRES (2015)**

London Transport Museum visualise real-time passenger data, to knowledge sharing and training at the Home Office.

Our senior academics sit on advisory boards and contribute to policy-making for organisations such as the Mayor of London’s Smart London Board, the ESRC Expert Cities Council and the Home Office Science Advisory Council.

RESEARCH

Our research focuses on the application of computer models, data visualisation techniques, innovative sensing technologies, mobile application and urban theory linked to city systems. The use of spatial analysis, geographic information systems, computer-aided design technologies and custom toolkits, assists in showing representations of space-time data.

Our multidisciplinary approach incorporates social physics, complex sciences, econometric

and statistical models – used to assist in the development of better building models, and new applications and methods for collection, analysis and communication of data. Our research outputs operate on several scales: from hyper-local, to the scale of buildings, and up to the metro region, to actively extend ideas to global problems and challenges.

OUR PROGRAMMES

Postgraduate taught

- Smart Cities and Urban Analytics MSc
- Spatial Data Science and Visualisation MSc/MRes

Postgraduate research

- Advanced Spatial Analysis MPhil/PhD

FIND OUT MORE

ucl.ac.uk/bartlett/casa

THE BARTLETT DEVELOPMENT PLANNING UNIT

WORLD-LEADING RESEARCH AND POSTGRADUATE TEACHING THAT HELPS TO BUILD THE CAPACITY OF NATIONAL GOVERNMENTS, LOCAL AUTHORITIES, NGOS, AID AGENCIES AND BUSINESSES WORKING TOWARDS SOCIALLY-JUST AND SUSTAINABLE DEVELOPMENT IN THE GLOBAL SOUTH.

HIGHLIGHTS

- Our mission is to build the capacity of professionals and institutions to design and implement innovative, sustainable and inclusive strategies.
- In addition to our Master's and research programmes, we also provide specialist short courses in a range of fields, including gender policy and planning, environment, and social development.
- Specially tailored training programmes and short courses are designed and run for specific governmental institutions, NGOs and international organisations.

The purpose of the Development Planning Unit (DPU) is to strengthen the capacity of governments and NGOs to work towards socially-just and sustainable development in the Global South. Our vision is to see all people equally able to choose, plan and manage their own lives and communities, and to influence local, national and global development in ways that are economically, socially and environmentally sustainable.

We hope to enable people who are generally excluded from decision-making to play a full and rewarding role in their own development. We encourage our students to challenge orthodox development agendas; explore gender-aware approaches to development; promote strategic partnerships to integrate and inclusively manage cities and development; and support individuals, organisations, NGOs and public sectors who share this vision.



We undertake outreach and consultancy with a range of partners who support our mission to build the capacity of professionals and institutions in the Global South.

We place a strong emphasis on understanding local contexts and regularly interacting with policy and planning practitioners, and have a long history of working with institutions whose values and concerns resonate with our own vision and mission.

Collaborations are central to our core teaching, research and Training and Advisory Services, and they've helped us build strong relationships and pioneer new approaches to development practice around the world.

RESEARCH

We undertake an interdisciplinary approach towards collaborative research that has a far-reaching impact on development policy, practice and thinking. We aim to deepen the understanding of development processes and practices and to interrogate the theoretical underpinnings of development thinking and collective action in the public sector, civil society and private sector.

Our research is structured through four research clusters that reflect the development of different strands of our work.

- Environmental justice, urbanisation and resilience
- Urban transformations
- Diversity, social complexity and planned intervention
- State and market: governance and policy for development

“I FELT CONTINUALLY CHALLENGED DURING MY STUDIES. AFTER WORKING AS A DEVELOPMENT AND EDUCATION CONSULTANT FOR A CHARITY IN LONDON, I WAS OFFERED A POSITION IN THE PROGRAMME TEAM OF SAVE THE CHILDREN IN SIERRA LEONE FOCUSING ON GENDER EQUALITY”

**PRIYA BHULLAR,
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT MSC (2016)**





OUR PROGRAMMES

Postgraduate taught

- Building and Urban Design in Development MSc
- Development Administration and Planning MSc
- Environment and Sustainable Development MSc
- Health in Urban Development MSc
- Social Development Practice MSc
- Urban Development Planning MSc
- Urban Economic Development MSc

Postgraduate research

- Development Planning MPhil/PhD

Short Courses

- DPU summerLab

FIND OUT MORE

ucl.ac.uk/bartlett/development

THE BARTLETT REAL ESTATE INSTITUTE

**A NEW GLOBAL INSTITUTE RETHINKING
THE TRADITIONAL VIEW OF REAL ESTATE.**

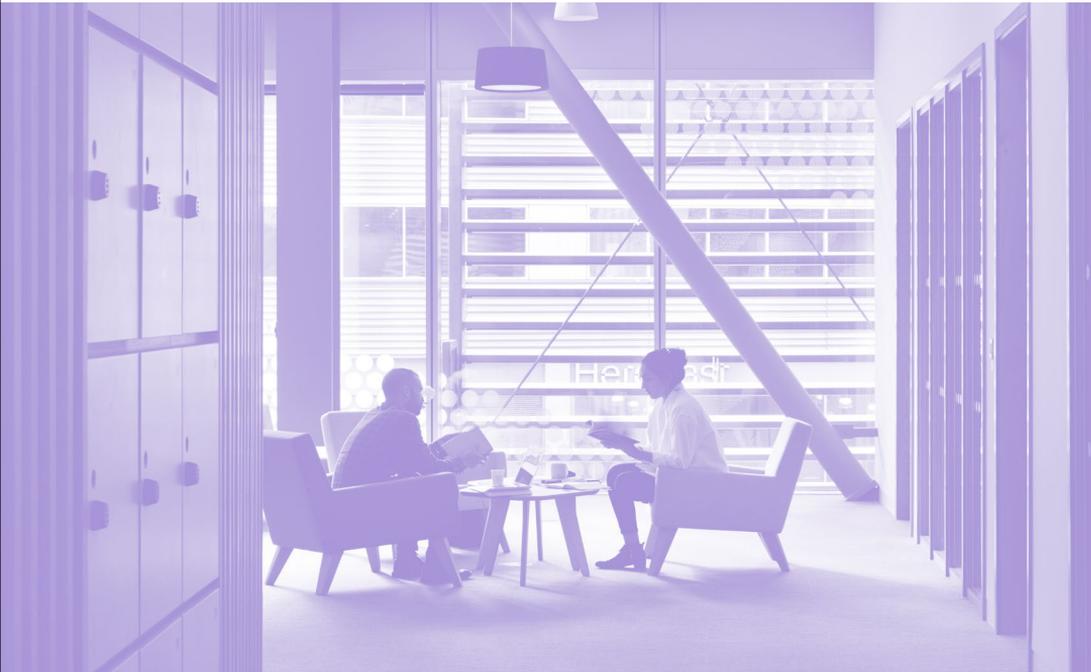
HIGHLIGHTS

- MSc programmes, short courses and research opportunities for students and delegates to critically evaluate real estate within its wider societal, economic and environmental context.
- Each teaching module features real cases and seeks to present ‘live’ problems that will enable students to integrate multidisciplinary knowledge within a real-world context.
- Programmes offer a fusion of academic knowledge and real-world experience, and each student’s learning journey will vary to reflect their own unique background and interests.

Many varied forms of built asset are defined as real estate, which currently accounts for around 60% of the world’s tangible wealth. But to recognise real estate solely in terms of its financial value – as a commodity in a tradeable market – is only part of the story.

Real estate is the physical manifestation of many different needs, from the highly tangible and practical to the esoteric and intangible. Real estate reflects our creativity and imagination and has an impact on our societies, our economies and the environment.

The Bartlett Real Estate Institute (BREI) has been set up to be the focal point for all professionals interested in pursuing these challenges. BREI will enable participants to approach the built environment holistically rather than from a single, specialist viewpoint, and to tackle head-on the challenges our changing world presents.



Photography: Jack Hobhouse

RESEARCH

Our interdisciplinary research is driven by our belief that we need to broaden our understanding of why our built environment behaves and develops in the way it does. Through our research and consultancy projects, we will connect academia, industry and government. We want to have different types of conversations and look at things from different areas of expertise.

OUR PROGRAMMES

Postgraduate taught

- Healthcare Facilities MSc
 - Learning Environments MSc*
- *This programme is currently awaiting approval.*

We also have a variety of executive education and short courses currently in development.

FIND OUT MORE

ucl.ac.uk/bartlett/real-estate

“THE HEALTHCARE FACILITIES MSC WILL HELP SHAPE THE FUTURE OF HEALTHCARE DESIGN. IT IS MUCH NEEDED IN A TIME WHEN HEALTHCARE IS CHANGING RAPIDLY, TO EQUIP OUR FUTURE PRACTITIONERS WITH A FOUNDATION THAT IS RESEARCH-BASED, INNOVATIVE AND SYSTEMIC IN ITS APPROACH”

**DR UPALI NANDA,
SENIOR VICE PRESIDENT AND DIRECTOR
OF RESEARCH, HKS ARCHITECTS (USA)**

THE BARTLETT SCHOOL OF ARCHITECTURE

**INTERNATIONALLY RENOWNED FOR
AWARD-WINNING INNOVATIVE RESEARCH
AND TEACHING THAT IS ACADEMICALLY
RIGOROUS, CRITICALLY INFORMED,
DESIGN-LED AND INTERDISCIPLINARY.**

HIGHLIGHTS

- Our staff are among the most sought-after in the field and are at the forefront of international research and teaching, responsible for pioneering research and award-winning buildings all over the globe.
- We have been ranked the top architecture school by the *Architects' Journal* AJ100 for 15 consecutive years and as the top place to study architecture in Europe by the QS World University Rankings by Subject, 2018.
- Our students are recognised for their creativity and drive. In the past 20 years, they have received more RIBA medals than any other school. Many have gone on to occupy leading roles in established practices worldwide and are now part of our vibrant alumni network.

One of the most influential and innovative architecture schools in the world, The Bartlett School of Architecture is setting the agenda for what architecture is and what it could be. In 1841, UCL became the first British university to appoint a chair of architecture, Thomas Leverton Donaldson, a founding member of the Royal Institute of British Architects (RIBA). Since then, our alumni have made waves in architecture, design, manufacturing, education, policy-making and more.

Our research addresses social, cultural and economic challenges; poses radical questions for history, technology and practice; and provokes a deeply imaginative response through speculative designs and projects.

Our work uses methods of critical thinking and creative exploration for its capacity to enhance human experience, understanding, and legacy, as well as improving global environmental conditions.



“THE BARTLETT HAS GIVEN ME A GREAT IMMERSIVE EXPERIENCE IN PURSUING MY INTERESTS AND USING THEM TO DEVELOP A PERSONAL ARCHITECTURAL STANCE, AS WELL AS MEETING AMAZING TEACHERS AND MAKING LOTS OF NEW FRIENDS”

**AGOSTINO NICKL,
ARCHITECTURE MARCH (2017)**



RESEARCH

We've been the UK's highest-rated department for architectural research for over a decade (RAE 2008 and REF 2014). We take a cross-disciplinary approach which combines methodologies from across the arts and humanities, social sciences, engineering and practice. This supports research in areas of: understanding social, environmental, cultural, and economical interactions with buildings and sustainability of cities; material, ecological and technological innovation that integrates manual craft, computational design, digital fabrication and advanced robotic technologies; spatial possibilities of buildings; globalisation issues; innovative solutions to address ecological concerns; politics of building performance as an urban invention; and temporal and interactive notions of space for architecture.

OUR PROGRAMMES

The Bartlett School of Architecture offers a comprehensive range of architecture programmes. This includes degrees for those seeking to become professional architects, as well as other programmes with specialisms in advanced architectural design, history and theory and urban design. All of these programmes enjoy an international reputation, and consequently attract the very best students from around the world.

Undergraduate

- Architecture BSc (ARB/RIBA Part 1)
- Architectural & Interdisciplinary Studies BSc
- Engineering & Architectural Design MEng

Postgraduate taught

- Architecture MArch (ARB/RIBA Part 2)
- Architectural Computation MSc/MRes
- Architectural Design MArch
- Architectural History MA
- Architecture and Digital Theory MRes
- Architecture and Historic Urban Environments MA
- Bio-integrated Design MArch/MSc
- Design for Manufacture MArch



Photography: Jack Hobhouse
Photography: Jack Hobhouse

- Design for Performance and Interaction MArch
- Landscape Architecture MA/MLA
- Urban Design MArch
- Situated Practice MA
- Space Syntax: Architecture and Cities MSc/MRes
- Advanced Architectural Research PG Certificate
- Pre-Master's Certificate in Architecture

Postgraduate research

- Architectural Design MPhil/PhD
- Architecture and Digital Theory MPhil/PhD
- Architectural History and Theory MPhil/PhD
- Architectural Space and Computation MPhil/PhD

We also offer a range of professional and short courses which can be found on our website.

FIND OUT MORE

ucl.ac.uk/bartlett/architecture



THE BARTLETT SCHOOL OF CONSTRUCTION AND PROJECT MANAGEMENT

**AN INTERNATIONAL CENTRE OF EXCELLENCE
IN THE TEACHING AND RESEARCH OF PROJECT
MANAGEMENT AND ECONOMICS.**

25

HIGHLIGHTS

- Our expertise in the managerial and economic dimensions of the construction process stretches back more than 40 years. Today, our academic staff lead the fields of project management, construction and built environment economics.
- Our world-class research received a 4* rating in the last Research Assessment Exercise, an achievement that reflects our highly collaborative, research-driven teaching.
- Gain in-depth knowledge about construction's role in the economy and society, and how the construction industry is adapting to climate change.
- At undergraduate level we develop practical skills for managing construction projects; our postgraduate programmes explore the processes, models and contexts of built environment management.

As projects grow in size and scope, the study of how to manage and finance them grows in relevance. The Bartlett School of Construction and Project Management equips students with skills that are transferable and honed for modern, project-based organisations.

The skills and knowledge we teach enable graduates to understand the changing landscape of the construction and project management sectors, and respond to evolving challenges in the field. Our graduates go on to become leaders, shaping the future of their industries.

RESEARCH

We carry out research focusing on the managing, organising, financing and sustainable development of projects within the built environment:

- Improving project leadership and effectiveness by addressing the strategic development of projects from conception and design through to delivery and evaluation.
- Investigating how the integration of culture, structures, systems and behaviour in project organisations can deliver economic and social benefits, by developing organisational pathways to support project delivery.
- Understanding how macro- and micro-economics influence the financing of projects, within the institutional, historical, market and behavioural contexts of finance.
- Increasing the effectiveness of organisations by analysing networks of people within project structures and designing relationship configurations based on business needs.
- Applying an interdisciplinary approach, our research into sustainability in the built environment applies a variety of disciplinary perspectives to environmental, social, and economic sustainability-related questions.
- Drawing on UCL's expertise in engineering and computer science, our research into digital innovation incorporates social and behavioural science to improve process and cost efficiencies.

OUR PROGRAMMES

Undergraduate

- Project Management for Construction BSc
- Project Management for Construction BSc (sandwich degree)

Postgraduate taught

- Construction Economics and Management MSc
- Digital Innovation in Built Asset Management MSc
- Infrastructure Investment and Finance MSc
- Project and Enterprise Management MSc
- Strategic Management of Projects MSc

Postgraduate research

- Construction and Project Management MPhil/PhD

FIND OUT MORE

ucl.ac.uk/bartlett/construction

“STUDENTS AT UCL NOT ONLY GET ACCESS TO WORLD-CLASS FACILITIES BUT ARE ALSO LOCATED IN PROBABLY ONE OF THE BEST SPOTS IN THE WORLD FOR CONSTRUCTION”

**JAMIE HART, 3RD YEAR,
PROJECT MANAGEMENT FOR CONSTRUCTION BSC**

UCL ENERGY INSTITUTE

**DELIVERING WORLD-LEADING LEARNING,
RESEARCH AND POLICY SUPPORT ON THE
CHALLENGES OF CLIMATE CHANGE AND
ENERGY SECURITY.**

HIGHLIGHTS

- Approach blends expertise from across UCL to make a truly interdisciplinary contribution to the development of a globally sustainable energy system.
- Research consists of five core themes: Systems, Buildings, Transport, Energy and Artificial Intelligence, and Energy Space Time.
- One of the world’s most sought-after destinations for aspiring students of energy demand and energy economics and policy.

The UCL Energy Institute delivers world-leading learning, research and policy support on the challenges of climate change and energy security, contributing to the development of a globally sustainable energy system.

Most energy problems are multidisciplinary in nature, spanning science, engineering and the social sciences. Therefore, different approaches are needed to understand and tackle these issues. Our research works to develop a range of tools, models and methods to address global energy challenges.

The recognised quality of our teaching and research in energy demand and energy systems modelling owes itself to this unusual cocktail of specialisations. We are a place where students from a wide spectrum of professional, academic and cultural backgrounds can develop new skills in a dynamic, multidisciplinary environment.

Our Master's and PhD programmes equip graduates with the tools needed for a career as a leader in energy-related industry academia, or policy-making.

RESEARCH

Energy transition is at a critical juncture, with national and global deep decarbonisation targets that cover electricity, transport, and heat. Our aim is to help to build a globally sustainable energy system, bringing to bear multi-disciplinary perspectives to observe, analyse, interpret and influence energy use and energy systems.

To tackle the diversity of energy problems, researchers at UCL Energy Institute work across five interacting themes: Systems, Buildings, Transport, Energy and Artificial Intelligence, and Energy Space Time.

We work with industries, governments and other academic bodies to ensure our work generates real-world impact. We form tailored research and consultancy partnerships with national and international organisations, such as the Department for Business, Energy & Industrial Strategy and EDF Energy.

OUR PROGRAMMES

Postgraduate taught

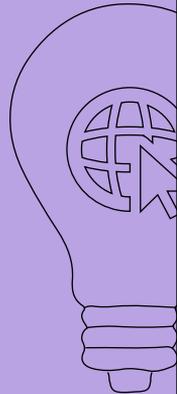
- Economics and Policy of Energy and the Environment MSc
- Energy Demand Studies MRes
- Energy Systems and Data Analytics MSc

Postgraduate research

- Energy MPhil/PhD

FIND OUT MORE

ucl.ac.uk/bartlett/energy



“SINCE GRADUATION, I HAVE BEEN WORKING IN MY HOME COUNTRY OF ICELAND AS AN ENERGY AND ENVIRONMENTAL CONSULTANT. I HAVE ADVISED ON INVESTMENT IN WIND-FARMS, PERFORMED EFFICIENCY ANALYSES OF DISTRIBUTION FIRMS AND SUBMARINE INTERCONNECTORS, AND HELPED TO DEVELOP SUSTAINABILITY INDICATORS”

**JÓN SKAFTI GESTSSON,
ECONOMICS AND POLICY OF ENERGY
AND THE ENVIRONMENT MSC (2014)**



THE BARTLETT
PROSPECTUS 2019



UCL INSTITUTE FOR ENVIRONMENTAL DESIGN AND ENGINEERING

**PURSUING A DEEPER UNDERSTANDING
OF THE INTERACTIONS BETWEEN THE
BUILT ENVIRONMENT AND HEALTH, HUMAN
WELLBEING, PRODUCTIVITY, ENERGY USE
AND CLIMATE CHANGE.**

HIGHLIGHTS

- Focused on making our buildings, towns and cities better places in which to live, with a focus on health, human well-being, productivity, energy use and climate change.
- Over the last decade, we have received three Engineering and Physical Sciences Research Council (EPSRC) Platform Grants, prestigious awards of funding given to what the EPSRC calls ‘well established, world-leading research groups’.
- Our programmes explore emerging themes in built environment study and reflect the joined-up, interdisciplinary ways of thinking, communicating and working that are increasingly in demand in industry.

The UCL Institute for Environmental Design and Engineering is dedicated to making buildings, towns and cities better places to live in, with a focus on health, human wellbeing, productivity, energy use and climate change.

We expect our students to excel at their own discipline, work with others in an interdisciplinary way, and discover new research themes and interest areas that they can thrive in. We respond to complex problems and opportunities in the world in ways that are creative, effective and responsible.

Our academics explore, create and inspire, providing expertise in developing collaborative solutions and strategies. The vision is to see a world in which the built environment is fully sustainable.

RESEARCH

Our goal is to deliver interdisciplinary built environment research to improve health, wellbeing and sustainability. Our specialist expertise in energy, moisture and air quality, light and lighting, and acoustics and soundscapes is underpinned by systems thinking. We aim to understand how different elements interact to create buildings and spaces where people can live healthy, fulfilling lives, which respect and care for the natural environment and resources.

OUR PROGRAMMES

Undergraduate

- Engineering and Architectural Design MEng

Postgraduate taught

- Environmental Design and Engineering MSc*
- Health, Wellbeing and Sustainable Buildings MSc
- Smart Buildings and Digital Engineering MSc
- Light and Lighting MSc

Postgraduate research

- Environmental Design and Engineering MPhil/PhD

**This programme has been accredited as suitable further learning to meet the academic requirement for Chartered Engineers (CEng) by the Chartered Institution of Building Services Engineers (CIBSE) and the Energy Institute.*

FIND OUT MORE

ucl.ac.uk/bartlett/environmental-design

“HAVING ALREADY SPENT NEARLY 10 YEARS WORKING IN THE LIGHTING INDUSTRY PRIOR TO THE PROGRAMME, I BECAME AWARE OF MY SHORTFALLS OF SPECIALISED KNOWLEDGE, VOCABULARY AND SKILLED TECHNIQUES. IT IS UNUSUAL TO HAVE THE OPPORTUNITY TO TAKE A YEAR OUT OF WORK FOR A CAREER ENRICHMENT DEGREE, AND I WAS LUCKY ENOUGH TO HAVE THAT CHANCE. THE EXPERIENCE HAS BEEN HUGELY BENEFICIAL TO CAPITALISE ON AREAS OF KNOWLEDGE THAT I ALREADY HAD SOME UNDERSTANDING IN”

**LUCY RECORD,
LIGHT AND LIGHTING MSC (2016)**

UCL INSTITUTE FOR SUSTAINABLE HERITAGE

**SOLVING REAL-WORLD CULTURAL HERITAGE
PROBLEMS THROUGH GROUNDBREAKING,
CROSS-DISCIPLINARY RESEARCH AND
TEACHING FOR FUTURE HERITAGE LEADERS.**

HIGHLIGHTS

- We train future managers, curators and conservators of sustainable heritage and researchers whose work leads to innovative, sustainable, conservation solutions.
- Our research frequently influences policy-making and has been described by the Smithsonian Institution as ‘world-leading’.

The UCL Institute for Sustainable Heritage (ISH) is a world-leading institute, recognised for its collaborative work with partners in industry, heritage and policy, as well as for informing policy at a UK and European level and working with heritage organisations to implement it.

ISH’s research engages with complex, real-world heritage issues that demand world-class research expertise from numerous disciplines. This interdisciplinary approach allows our students to develop skills that extend to working on real-life heritage projects, and make informed decisions on policies and solutions.

RESEARCH

In a fast-changing world, the preservation and protection of our cultural heritage matters more than ever before.

Most of our research spans subjects in arts and humanities and hard sciences.



This means expertise is drawn from across many disciplines, not just within the Institute, but also from the UCL Heritage Science and Engineering Network, a community of experts in departments across UCL with an interest in cultural heritage work.

Our research informs our teaching, benefits the partners that we work with and aims to push forward knowledge and understanding within heritage and scientific communities, as well as among the wider public.

OUR PROGRAMMES

Postgraduate taught

- Data Science for Cultural Heritage MSc
- Science and Engineering in Arts, Heritage and Archaeology MRes
- Sustainable Heritage MSc

Postgraduate research

- Sustainable Heritage MPhil/PhD

FIND OUT MORE

ucl.ac.uk/bartlett/heritage

“THE INTERDISCIPLINARY NATURE OF THE PROGRAMME AND THE DIVERSE PROFESSIONAL BACKGROUNDS OF MY FELLOW CLASSMATES CREATED AN ENVIRONMENT WHERE I WAS ABLE TO FLOURISH AND HONE MY WRITING SKILLS AND CRITICAL APPROACHES, WHILE TAKING ON THE CHALLENGING MATERIALS AND CASE STUDIES PROVIDED IN THE PROGRAMME”

**SALLY SABBAHY,
SUSTAINABLE HERITAGE MSC (2017)**

UCL INSTITUTE FOR SUSTAINABLE RESOURCES

**GENERATING KNOWLEDGE IN THE GLOBALLY
SUSTAINABLE USE OF NATURAL RESOURCES AND
TRAINING THE FUTURE LEADERS IN THIS FIELD.**

HIGHLIGHTS

- A range of programmes for students looking to develop their expertise in the area of the sustainable use of natural resources.
- A multidisciplinary community of staff and students that fosters an innovative approach to sustainability issues.

The UCL Institute for Sustainable Resources is a cross-disciplinary institute that delivers world-leading research, teaching and enterprise in the sustainable use of global resources. Our work intends to address intellectually challenging problems with creativity and innovation, and shift society towards a globally sustainable use of natural resources.

Our cross-disciplinary approach to teaching provides an overview of energy and resources, its impact on climate change, energy consumption and exhaustion, and policy-making. Our mission is to generate knowledge in the globally sustainable use of natural resources and train the future leaders in this field.

**“THE KNOWLEDGE OF THE EUROPEAN LAW
FRAMEWORK AND IMPACT ASSESSMENT
METHODOLOGIES TAUGHT ON THE MSC IS VERY
RELEVANT IN MY CURRENT ROLE WITH OFGEM,
WHICH INVOLVES POLICY-MAKING AND MARKET
DESIGN IN AREAS SUCH AS DEMAND-SIDE
RESPONSE AGGREGATION”**

**SHIMON HASSID,
ECONOMICS AND POLICY OF ENERGY
AND THE ENVIRONMENT MSC (2015)**





RESEARCH

We undertake research to promote the globally sustainable use of natural resources. Our research has a large focus on resource efficiency, circular economies, eco-innovation, and low-carbon societies. Using a holistic approach, we aim to understand the interactions between resources and energy sectors, such as waste management, circular economies, and resources within energy models.

We engage in research on financing low-carbon economies with a specific angle on behavioural economics to improve how climate policies are made over the years. With the current rate of global growth, research to assess the environmental sustainability of global food production and trade is undertaken, with a focus on agriculture's interaction with land, climate and water.

OUR PROGRAMMES

Postgraduate taught

- Economics and Policy of Energy and the Environment MSc
- Sustainable Resources: Economics, Policy and Transitions MSc

Postgraduate research

- Sustainable Resources MPhil/PhD

FIND OUT MORE

ucl.ac.uk/bartlett/sustainable

THE BARTLETT SCHOOL OF PLANNING

ONE OF THE LEADING RESEARCH-LED PLANNING SCHOOLS IN EUROPE, OFFERING A CREATIVE AND STIMULATING ENVIRONMENT TO STUDY THE FORM, PLANNING, DESIGN AND MANAGEMENT OF CITIES, AND TO SHAPE THEIR FUTURE.

HIGHLIGHTS

- Founded in 1914, The Bartlett School of Planning has an international reputation as a centre of academic excellence in research, teaching, policy and practice interaction.
- Internationally diverse staff, with expertise in planning, geography, design, sustainability, economics, sociology and politics, and a balance of experienced and younger academics.
- Many of the world's most notable academics in planning have worked with us, including Sir Patrick Abercrombie, Ruth Glass, Lord William Holford, Nat Lichfield, Lord Richard Llewelyn-Davies, Mike Batty and Sir Peter Hall.

The Bartlett School of Planning's research contributes to the physical and social sciences, as we make links between theory, policy and practice in planning and development.

Our hands-on learning approach allows students to participate in discussions, and professional and governmental debates, focused on the future of London and other urban and rural places. Students are encouraged to participate in problem-solving activities and real-life scenarios, conduct collaborative research and think in creative, critical and analytical modes to build skills and knowledge for their professional lives beyond university.

We've built key partnerships with academics, government, businesses and community organisations, to put them at the forefront of new challenges concerning the future of cities, regions and planning processes.



**“I AM NOW WORKING AS A PROJECT MANAGER
AT ATKINS WHERE I PLAN AND DESIGN CITIES
AND NEIGHBOURHOODS INTERNATIONALLY.
I SPECIALISED IN SUSTAINABLE URBANISM,
WHICH HELPS ME PROPOSE MASTERPLANS
WITH A FOCUS ON HOLISTIC SUSTAINABILITY”**

**SHRUTHI GURUSWAMY,
INTERNATIONAL PLANNING MSC (2012)**



RESEARCH

We collaborate globally with government and civil society organisations to understand the governance of planning and public policy in the mediation of space and to address planning politics in diverse, unequal societies and economies.

We investigate how urban regeneration, local and regional economic development initiatives and real-estate market practices impact policies and processes. Our research explores the role of institutions, policy instruments, spatial planning, urban design and infrastructures in shaping and governing sustainable urban system transformations, with methods that are resource-efficient, low-carbon, regenerative, socially-just, and economically sustainable.

We also investigate how urban design is directly linked to the use of public space and social interactions, mediating social and economic value and governing processes of designing built environments, engaging within urban design learning and increasing community contribution in design.

OUR PROGRAMMES

Undergraduate Programmes

- Planning and Real Estate BSc
- Urban Planning, Design and Management BSc
- Urban Studies BSc

Postgraduate taught

- City Planning MPlan
- Housing and City Planning MSc
- Infrastructure Planning Appraisal and Delivery MSc
- Inter-disciplinary Urban Design MRes
- International Planning MSc/PG Dip
- International Real Estate and Planning MSc/PG Dip
- Smart Cities and Urban Analytics MSc
- Spatial Planning MSc/PG Dip
- Sustainable Urbanism MSc/PG Dip
- Transport and City Planning MSc
- Urban Design and City Planning MSc/PG Dip
- Urban Regeneration MSc/PG Dip

Postgraduate research

- Planning Studies MPhil/PhD

Accreditation

A number of our programmes are professionally accredited by the Royal Town Planning Institute and/or the Royal Institution of Chartered Surveyors.

FIND OUT MORE

ucl.ac.uk/bartlett/planning

UCL INSTITUTE FOR GLOBAL PROSPERITY

**TRANSFORMING HOW WE MAKE DECISIONS,
THE KINDS OF EVIDENCE AND REASONING
ON WHICH OUR DECISIONS ARE BASED, AND
THE TOOLS WE HAVE AT OUR DISPOSAL TO
BUILD A GLOBALLY PROSPEROUS FUTURE.**

HIGHLIGHTS

- Our work sets out to build new partnerships and generate new ideas to make prosperity happen for communities around the globe.
- Our approach involves innovative mixed methods that draw together cutting-edge academic thinking from a range of disciplines with social and technical innovation to improve evidence, reasoning and decision-making.

The UCL Institute for Global Prosperity (IGP) aims to facilitate a discussion about how we think about, measure and plan for a prosperous and sustainable future. We need a broader understanding of prosperity that prioritises wellbeing and standard of living over empty economic measures.

We strive to transform decision-making, the kinds of evidence and reasoning on which decisions are based, and the tools (cultural, policy, legal) at our disposal. Our innovative mixed methods draw together cutting-edge academic thinking from a range of disciplines with social and technical innovation to improve our evidence, reasoning and decision-making about how to build a globally prosperous future.

Our students will learn to challenge assumptions, re-write questions and create new definitions, which involves looking at our basic institutions and considering



new, radical approaches towards economic, social and cultural prosperity.

We are committed to doing research with communities, to generate new questions and new routes of understanding that are directly beneficial to them, and to academic studies, businesses and policies.

Partnerships have been established globally, from east London to Lebanon and Northern Kenya, from local government to citizen scientists. This diversity gives new insights and strategies for addressing sustainable and inclusive prosperity from a range of perspectives.

“I WANTED TO STUDY A VARIETY OF METRICS FOR ECONOMIC GROWTH OUTSIDE OF TRADITIONAL FINANCIAL INDICATORS, AND THIS PROGRAMME’S APPROACH TO THE STUDY OF WELLBEING WAS THE PERFECT COMPLEMENT TO MY BACKGROUND IN HISTORY AND POLITICAL SCIENCE. WORKING CLOSELY WITH THE INSTITUTE FOR GLOBAL PROSPERITY AND ITS STAFF HAS BEEN ONE OF THE HIGHLIGHTS OF MY EXPERIENCE AT UCL”

**WILL HENAGAN
GLOBAL PROSPERITY MSC (2018)**

RESEARCH

We use interdisciplinary methodologies and problem-focused research to generate new insights about sustainable and inclusive prosperity. Our research investigates the standards of living in relation to the fundamentals of social and economic life: work, leisure, consumption, wealth, wellbeing and energy.

We explore methods for developing new social, economic and political institutions for sustainable co-operation (across cultures, beliefs and interests), decision-making and value creation. We investigate how science and technology innovations are impacting the negotiation of the human-environment interface, as well as how to harness new innovation for serving social justice, equity and wellbeing.

OUR PROGRAMMES

Postgraduate taught

– Global Prosperity MSc

Postgraduate research

– Global Prosperity PhD

FIND OUT MORE

ucl.ac.uk/bartlett/igp

UCL INSTITUTE FOR INNOVATION AND PUBLIC PURPOSE

RETHINKING HOW PUBLIC VALUE IS CREATED, NURTURED AND EVALUATED.

HIGHLIGHTS

- We actively work with policy-makers and governments worldwide to implement mission-oriented policies. This includes influencing potentially the biggest ever increase for the European Union’s research and innovation programme, Horizon Europe.
- Our new MPA in Innovation, Public Policy and Public Value will equip graduates with the dynamic skills to reshape organisations to drive change, become mission-led and driven by public purpose.
- We believe in bringing our ideas to the broader public. Our inaugural public lecture series, delivered in partnership with the British Library, saw a sold-out run of 11 events featuring luminaries from the worlds of architecture, digital innovation, economics and the arts.

The UCL Institute for Innovation and Public Purpose (IIPP) has a mission to change how public value is imagined, practiced and evaluated to tackle societal challenges and achieve economic growth that is more innovation-led, sustainable and inclusive.

Our research and teaching programmes aim to shape a dynamic and bold public sector driven by public purpose. Markets can be shaped by purposeful policy-making and by new collaborations between the state, business and civil society. Markets can be designed to deliver public value.

We believe in working directly with policy-makers, actively sharing our research, introducing new ways of thinking – and enabling us to learn from their experience. It is through this approach that we can co-create the future of policy with public purpose.



RESEARCH

From climate change to ageing populations, tackling the grand challenges of the 21st century requires actors in the public, private and third sectors to work together in new, dynamic ways to drive innovation.

Our interdisciplinary approach brings together economists, philosophers, political scientists, anthropologists, engineers and natural scientists in rethinking how concepts of public value and public purpose can be applied in the real economy, creating a framework for innovation-led public policy.

IIPP focuses on the potential of mission-oriented, strategic public sector investment to catalyse economic activity, spark innovation, solve public problems, and lay the foundations for future economic growth.

These key pillars are applied to a range of topics including health innovation, digital transformation and the green economy.

OUR PROGRAMMES

Postgraduate taught

- Innovation, Public Policy and Public Value MPA

Postgraduate research

- Innovation and Public Policy PhD

FIND OUT MORE

ucl.ac.uk/bartlett/public-purpose

CAREERS & ALUMNI

CAREERS

Studying at The Bartlett will give you a distinctive, radical way of thinking about the world and its resources. Employers in London and across the world say they can recognise the faculty way of thinking in our graduates.

Our alumni have gone on to be founders, directors and partners of some of the world's leading built environment businesses. They are also writers, film-makers, musicians, policy-makers, journalists and politicians, because time spent at The Bartlett can lead in many directions. The interdisciplinary nature of study in the faculty means that our students discover new academic passions, and may even end up in professions they never knew existed.

**IT'S
ALL
ACADEMIC**

CAREER SUPPORT FROM YOUR ALUMNI NETWORK

UCL's Alumni Online Community allows students from all levels of study to connect with volunteer mentors from 190 countries. There is a dedicated Built Environment Network and international groups, so you can build new connections with alumni worldwide. Whether you are seeking professional advice to perfect your CV or want to explore a particular company, a global network of experienced UCL alumni are ready to support.

UCL students can also attend UCL Connect, our award-winning professional development series – a great opportunity to gain skills and industry advice from alumni experts, with panel talks, workshops and international events.

In addition our alumni have access to:

- A free benefits card, giving access to e-journals, an email for life, discounts and use of the UCL library.
- An excellent jobs board, event information and entry to industry and international networks, making it easy to maintain friendships, organise reunions and stay in touch.

uclalumnicommunity.org

OVER 250,000

**UCL ALUMNI LIVE IN MORE
THAN 190 COUNTRIES WORLDWIDE**

BUILT ENVIRONMENT CLUBS

We are fostering a programme of sustainable change in the built environment across the world through our UCL Built Environment Clubs (BECs).

BECs bring together an international network of alumni from The Bartlett and the UCL Department of Civil, Environmental & Geomatic Engineering to create a world-class resource of expertise. BECs are currently active in China, South Korea, Singapore, Hong Kong, Ecuador and Tokyo.

Being part of the BECs means taking a place within a mutually beneficial network. With the support of local UCL alumni and associated built environment professionals, UCL can deliver training, lectures and workshops for a wide range of expertise – ranging from high-ranking city officials, through to students of local universities.

THE BENEFITS

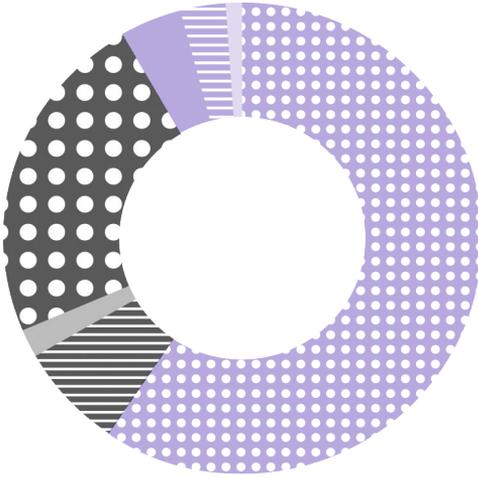
BECs members have access to:

- a local network of influential built-environment professionals
- academic experts in a world-class education institution
- lifelong learning opportunities for personal and organisational professional development
- multidisciplinary critical design review panels
- hosting short-term internships and graduate employment opportunities

The key to BECs success is active leadership and support on the ground. As the BECs continue to grow in Asia and elsewhere, our vision for this global network is that its alumni and local built environment professionals will positively influence the development of urbanisation, regeneration programmes and government policy.

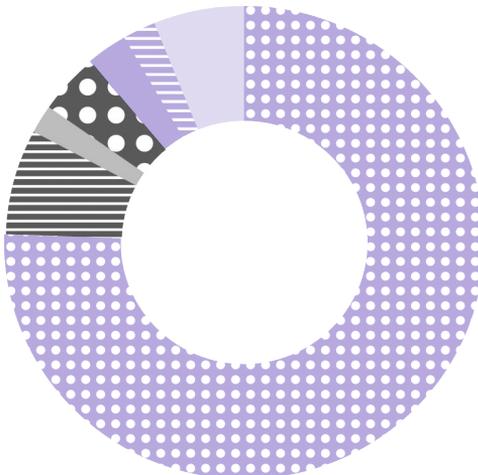
WHERE DO OUR GRADUATES GO?

Source: Destination of Leavers from Higher Education 2016/17 survey, based on the activities of graduates six months after graduating.



UNDERGRADUATE

-  Full-time employed (59%)
-  Part-time employed (7%)
-  Work and study (2%)
-  In study (23%)
-  Due to start work (4%)
-  Unemployed (3%)
-  Other* (1%)



POSTGRADUATE TAUGHT

-  Full-time employed (75%)
-  Part-time employed (7%)
-  Work and study (2%)
-  In study (4%)
-  Due to start work (3%)
-  Unemployed (2%)
-  Other* (6%)

* 'Other' represents a grouping of activities in which personal circumstances or choice has influenced the graduate's immediate options e.g. taking a gap year.

FUNDING & SCHOLARSHIPS

UCL OFFERS A RANGE OF FINANCIAL AWARDS AIMED AT ASSISTING BOTH PROSPECTIVE AND CURRENT STUDENTS WITH THEIR STUDIES.

The Bartlett Master's Scholarships scheme

The Bartlett, through this award, hopes to encourage students from under-represented groups to embark on a postgraduate qualification at UCL.

We offer 10 scholarships for MSc, MPlan, MRes, MA and MArch students, each worth £10,000, to be used either as partial fee remittance for study or as a bursary to cover living costs.

All postgraduate students, including continuing students, can be considered for this scholarship, regardless of study mode or fee status.

Bartlett Doctoral Funding

The Bartlett Student Conference Fund, The Bartlett External Training Fund and The Bartlett Extenuating Circumstances Fund are open to students enrolled on an MPhil/PhD programme at The Bartlett. The Bartlett Doctoral Initiative Fund is open to academic staff and MPhil/PhD students within the faculty.

Programme-specific funding

Individual programmes and sections of The Bartlett sometimes offer advice and/or funding for particular programmes or subject areas. This information will be provided on the programme's web page.

Travel Awards

There are a number of Bartlett travel awards and scholarships for which undergraduate Bartlett students can apply:

- Herbert Henry Bartlett Travel Scholarship for study/travel to anywhere in the world
- Owings Travel Scholarship for study/travel to the USA
- Maggie Scruton Memorial Travel Scholarship for study/travel to France

UCL scholarships

ucl.ac.uk/scholarships

Faculty scholarships

ucl.ac.uk/bartlett/scholarships



DON'T JUST WATCH THIS SPACE. MAKE IT.

**SEE HOW THINGS LIKE LAW, FINANCE,
ENERGY AND TECHNOLOGY SHAPE
THE SPACES WHERE WE LIVE - AND
HELP US CREATE NEW SPACES WHERE
PEOPLE CAN LIVE BETTER LIVES.**

Disclaimer: UCL has sought to ensure that the information given in this prospectus is correct at the time of going to press but we cannot guarantee that it is accurate. The information contained within this prospectus is subject to change. We may, for example, need to withdraw or vary any degree programme and/or alter entry

requirements, fees, facilities and/or services described. For the most up-to-date information, please see UCL's online Graduate Prospectus at ucl.ac.uk/graduate. The online prospectus takes priority over this printed prospectus. You should check the information in the online prospectus before accepting any offer of a place at UCL.

**THE BARTLETT
UCL FACULTY OF THE BUILT ENVIRONMENT**

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