



University College Dublin
Ireland's Global University



MSc ARCHITECTURE, URBANISM & CLIMATE ACTION (ONE YEAR FULL TIME)

Urban environments and their buildings are at once both acutely responsible for the climate crisis, and present some of the most achievable solutions. Climate action is urgently required to mitigate their environmental impact and unearth creative solutions. This MSc programme equips graduates and returning professionals with specialist skills to respond to the challenge of planning, designing, and actioning a sustainable built environment. The School of Architecture, Planning and Environmental Policy (APEP) brings together four key disciplines to provide a unique graduate

learning experience. Core modules are specifically designed to enhance knowledge of Sustainable Development Goals, climate science and policy as well as skills for sustainable building and urban design. Options will allow students choose from a wide range of architecture, planning and policy based modules, as well as energy and sustainability modules from around the University. Linking to prestigious industry-collaborative research projects will allow students action their research and knowledge to advance careers in sustainable practice, consultancy, policy and academia.

LEADING RESEARCH CENTRE

The UCD School of Architecture, Planning & Environmental Policy has an established international track record as a leading research centre in sustainable building and city research with large national and international funded projects. It is in the Top 150 QS World University Rankings by subject area, and has long led the way in architectural study and practice in Ireland.

WHY STUDY AT UCD?



Professional Work Experience

Professional Work Experience
Internship opportunity



Tradition

Established 1854, with 160 years of teaching and research excellence



Global profile

UCD is ranked in the top 1% of higher education institutions worldwide



Global community

Over 8,400 international students from over 140 countries study at UCD



Global careers

Degrees with high employability; dedicated careers support; 2 year stay-back visa (for non-EU students)



Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

COURSE CONTENT AND STRUCTURE

90 credits
taught masters

60 credits
taught modules

30 credits
linked research project /
internship

CORE MODULES INCLUDE:

- Architecture and Climate Change
- Sustainable Built Environments
- GIS for Policy and Planning
- Urban Design Theory
- Research Methods into Action

LINKED RESEARCH PROJECT / INTERNSHIP

This can take the following 3 forms:

- Placement with a linked employer
- Working on an established research project
- Individual study in a research area of the students choosing

OPTION MODULES INCLUDE:

- Building Retrofit and Reuse
- Building Construction Fundamentals
- Realising Built Projects
- Tools for Sustainable Development
- Introduction to Urban Design
- Agency: Design/Build
- Environmental Economics & Climate Policy
- Architecture Design Studio
- Climate Policy and Politics
- Planning, Society and Diversity
- Concrete Research
- Environmental Politics & Energy Transport
- Urban and Regional Development
- Computational Design
- Environmental Risk and Behaviour
- Environmental Assessment
- European Environmental Policy
- Urban Design Studio
- Energy Systems & Sustainable Environment
- Advanced Air Pollution
- Transport Operations and Planning





CAREER OPPORTUNITIES

The range of climate change response, and environmental sustainability, related careers is broadening. This sector is set to expand rapidly in coming years. This MSc gives students a unique set of skills to allow them stay ahead of the curve and apply for exciting and fulfilling job opportunities. Potential careers include sustainable architecture and practice, sustainability consultancy, engineering consultancy, energy efficiency agency, public and environmental policy, sustainable development, energy supply and management and NGOs. This MSc can be a springboard into exciting careers in research and academia. It will allow students pursue further research opportunities into anthropologic and architectural responses to climate change. High achieving masters students will also be invited to continue onto PhD study in UCD either via in-house project opportunities or by applying for funding through national funding schemes.



FACILITIES AND RESOURCES

The School of Architecture, Planning & Environmental Policy offers dedicated studio space for its students, a dedicated architecture library and map room, access to fully equipped computer facilities, a building laboratory space with a wide range of equipment including laser cutters and a CNC router, and access to monitoring and simulation equipment in the Earth Institute.

APPLY NOW

This programme receives significant interest so please apply early online at www.ucd.ie/apply

ENTRY REQUIREMENTS

- A primary undergraduate degree with a minimum upper second class honours (NFQ level 8; minimum GPA 3.08) or international equivalent in subjects related to the built environment including architecture, urban design, engineering, environmental sciences, or humanity degrees involving social or natural sciences.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

SCHOLARSHIPS

- Dedicated scholarships for non-EU students
 - Apply for University Scholarship www.ucd.ie/global/study-at-ucdscholarshipsfinances/scholarships/
 - Apply for College scholarship www.ucd.ie/eacollege/study/noneuscholarships
- Approved by US Dept of Education for federally supported loans

WORK IN IRELAND

Option to stay in Ireland to seek employment and/or work for 2 years after graduating.

RELATED MASTER'S PROGRAMMES OF INTEREST

- ME Energy Systems
- Master of Architecture
- MSc Environmental Technology
- MSc Urban Design & Planning
- MSc Sustainable Energy & Green Technologies

PROGRAMME DIRECTOR

Dr. Oliver Kinnane

I established this masters programme because I believe strongly that we need to act now to dramatically reduce the unsustainable stresses we are placing on our planet. To achieve this we need graduates who will act for change. Particularly we need to change how we design, construct and live-in our buildings and cities. We need to establish an urbanism that is sparing of energy and natural resources.

I am an avid researcher and educator. I studied both engineering and architecture and have worked in energy, industrial and product design. I run national and international research projects that evaluate unsustainable practice and design and develop solutions. My teaching is primarily research led particularly at graduate level. My research is essentially transdisciplinary, drawing on a wide range of interests and a multidisciplinary background.

FEES

Fee information is available at www.ucd.ie/fees

CONTACT US

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