



UCD College of Engineering
and Architecture

UCD Architecture & Landscape Architecture

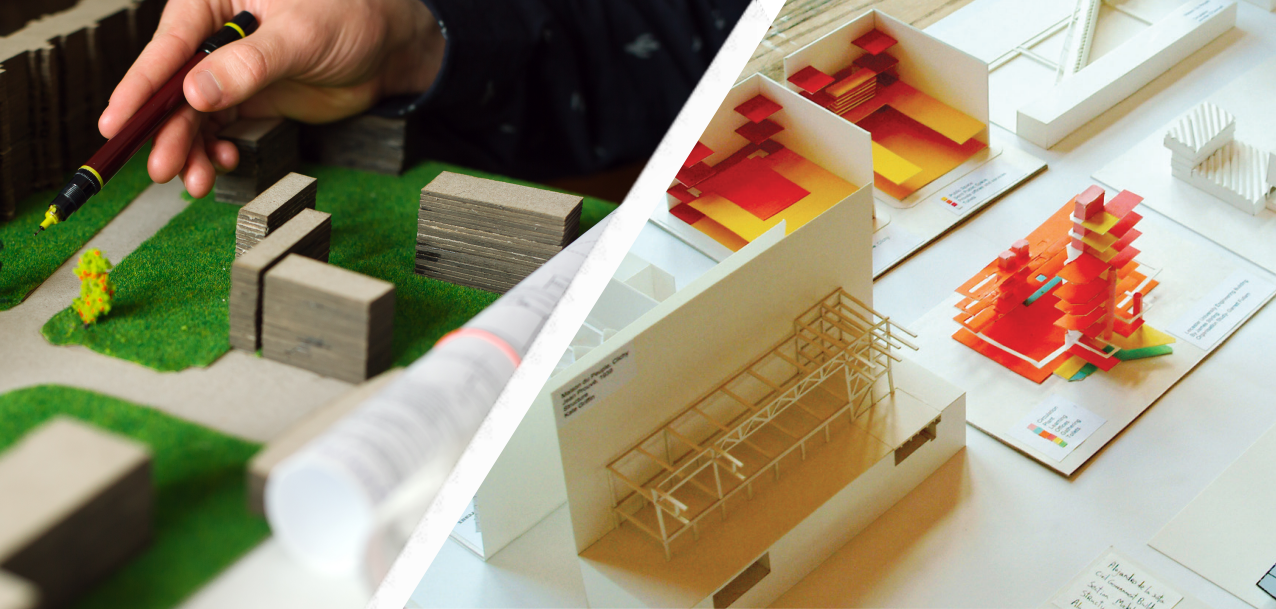
DN100 Architecture

DN120 Landscape Architecture



UCD ARCHITECTURE AND LANDSCAPE
ARCHITECTURE OPEN DAY

Saturday, 27th January 2018, 12 noon to 2.30pm
Tour of School at 12.30pm
Visit www.myUCD.ie to register



UCD ARCHITECTURE (DN100)

BSc (Architectural Science) (Hons) (NQF Level 8) and MArch (NQF Level 9)

STUDYING UCD ARCHITECTURE

The main pathway to becoming a professional architect includes three steps: a) Completion of the BSc Architectural Science, b) Completion of the Master's in Architecture (MArch) and c) Completion of the Professional Diploma after a minimum of two years in practice.

 <p>Year 1 Engage with the principles</p>	<p>Architectural Design (Studio-based learning), History & Theory of the Designed Environment, Architecture & its Environment, Architectural Technologies, Theory & Design of Structures, Into Practice</p>
 <p>Years 2 & 3 Refine your knowledge</p>	<p>Architectural Design (Studio-based learning), History & Theory of the Designed Environment, The Indoor Environment, Architectural Technologies, Theory & Design of Structures, Imagining Architecture, Framework for Practice</p>
 <p>BSc (Architectural Science) (Honours)</p>	<p>Optional Year Out – Experience the world of work <i>BSc Graduates require a minimum Degree Award GPA of 2.8 to gain automatic entry to the UCD Master of Architecture Degree</i></p>
 <p>Years 4 & 5 Achieve mastery of your practice</p>	<p>Design Technologies, Research & Innovation in the Designed Environment, Professional Studies, International study abroad options, Architectural Design (Studio-based learning), Research Dissertation, Reflective Portfolio, Master's Design Thesis (Studio-based learning)</p>
 <p>MArch (Honours)</p>	

WHAT MAKES A GOOD ARCHITECT?

Our Architecture course attracts a diverse cross-section of talents and approaches – from the technically minded to the artistically gifted; from the socially conscious to the natural communicators and leaders. All have the capacity to become successful and productive graduates in Architecture.



UCD ARCHITECTURE (DN100)

BSc (Architectural Science) (Hons) (NFQ Level 8) & MArch (NFQ Level 9)

INTRODUCTION

UCD Architecture is Ireland's longest established and most prestigious architecture course. Over the past century, UCD Architecture has been of central importance to all aspects of Ireland's architectural culture. From O'Donnell + Tuomey to Grafton Architects, many of our graduates have achieved worldwide renown, while our research and graduate courses have contributed at an international level.



CAO Points Range 2017

492 – 625

Length of Course

3 Years (BSc) (Hons) + 2 Years (MArch)

Places

57

Entry Requirements

- English
- Irish
- Mathematics
- A third language
- Two other recognised subjects

Leaving Certificate

You must obtain a minimum of Grade H5 in two subjects and a minimum of Grade O6/H7 in the remaining four subjects

A-Level/GCSE

see www.ucd.ie/myucd/alevel

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Entry Routes

Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route

Yes

KEY FEATURES



Only Architecture degree in Ireland to be accredited by the professional institutes of both Ireland (RIAI) and the United Kingdom (RIBA)



This School of Architecture is also pursuing accreditation with the professional institute in the USA (NAAB)



2 UCD Academics are the 2015 recipients of the Royal Gold Medal (the world's most prestigious architecture award)



Exposed to the instruction from world renowned practices including, Grafton Architects and O'Donnell + Tuomey Architects



Unique facilities in the Richview / Newstead Buildings at Belfield



Home to Ireland's best Architecture Library



Dedicated design studios, workshop, building laboratory, computer labs and exhibition space



Access to UCD Horizons Elective Modules



International study opportunities (including Europe, Asia, America and Australia)

WHAT'S ON OFFER THROUGH ARCHITECTURE IN UCD?

When students enter Richview, the home of UCD Architecture, they enter a world of creativity, innovation and diversity. Creativity lies at the core of the course. From the outset, the emphasis is on students proposing creative solutions to set problems and situations. Through learning by doing, students propose, test and develop ideas. There is a strong emphasis on group work and collaboration, mainly through design tasks and problem solving.

At UCD our aim is to continuously deepen understanding, extend capacities and broaden horizons in relation to architecture. As your skills in architectural drawing, model making, surveying, scale and measurement develop, design projects of increasing complexity are introduced in which these skills can be applied.

UCD produces architects capable of addressing global and societal issues. The architecture design studios based in the UCD School of Architecture, Planning and Environmental Policy are hubs of creativity, capable not only of producing award-winning designs but also of responding to some of today's greatest issues and challenges, such as increasing urbanisation, the need

for sustainable development, and the possibilities for technological innovation. As a result, the course is constantly evolving, seeking to extend architecture's role and potential in a complex world.

During your time at UCD your lecturers will include many architects who are at the forefront of their profession and have won national and international acclaim for their buildings. The reality of cutting-edge practice feeds directly into the lecture theatre and design studio, encouraging and motivating the student to come up with realistic yet creative answers to real-life problems. At the same time, our academic staff are leading research in areas such as: sustainable development; environmental modelling; technological innovation; and, the history and theory of architecture, cities and landscapes.

If you have a capacity and passion for creativity, for making things through technological invention or artistic experimentation, and you're excited by the idea of designing buildings, urban environments and landscapes, then this course is for you.

EDUCATIONAL MODEL

Entrants into UCD Architecture are awarded a Master's degree (MArch) upon completion of the full five-year programme of study which comprises the three-year BSc (Architectural Science) degree followed by the two-year Master's programme (MArch).

Having satisfactorily completed the first three years of the architectural course, students will automatically be awarded the BSc (Architectural Science) degree. For follow-on entry into the MArch, students must satisfy the progression requirement.

Progression requirement from BSc (Architectural Science) to MArch: minimum degree award GPA of 2.8 (mid 2H2) for automatic progression. Students who do not achieve a GPA of 2.8 will be offered an interview to assess their suitability to progress.

For those who do not continue with the MArch course, the BSc qualification provides an opportunity to pursue associated professions such as landscape architecture,

planning or research, and also an option to transfer into other areas of study.

Throughout this degree, two main elements are taught each year: the design project and the lecture programme. The design project is based in our design studios and taught through a combination of lectures, individual tuition, field trips, group tutorials, large reviews and exhibitions (architectural design, drawing and model making). The lecture programme can be grouped under three broad headings:

- Technical:** Architectural Technologies, Structures, Environmental Science
- Cultural:** Architectural History & Theory, Ecology, Conservation, Perspectives on Architecture
- Managerial:** Professional studies

A combination of continuous assessment and end-of-semester written examinations is used. In your final year, you'll also submit a report of your design research project.

Career opportunities

Most architectural graduates go into architectural practice or on to further academic study in architecture or related subjects. Your skills are transferable, which enables you to work anywhere in the world. Some architects also work in other areas such as:

- Planning
- Cultural and artistic practice
- Heritage site management
- Curatorial work
- Landscape

UCD Architecture offers a wide range of taught master's, research master's and doctorate programmes.





UCD LANDSCAPE ARCHITECTURE (DN120)

BSc (Hons) (NFQ Level 8) & MLA (NFQ Level 9)

INTRODUCTION

UCD is at the forefront of Landscape Architecture education in Ireland. UCD is currently the only university in Ireland to offer an undergraduate degree in Landscape Architecture. This course is accredited by the Irish Landscape Institute (ILI) and recognised by the International Federation of Landscape Architects (IFLA – Europe).

If you love design, nature and the outdoors, are interested in society and the ways that we live, and want to make a better, more beautiful and sustainable future for our towns and countrysides, then Landscape Architecture is for you.

This exciting programme teaches you how to design with nature to improve our environment and the quality of our lives. Landscape Architect's work combines scientific and cultural understanding, design creativity, and knowledge of materials and structures with an understanding of ecology, land use and ecosystems. They work on all sorts of projects, all over the world, designing habitats for humans and non-humans: homes for city birds, playgrounds for children, rooftop gardens, streetscapes, city parks and even cities themselves. They transform urban and rural land, and water-bodies, and advise on countryside matters. Landscape design engages environmentalism, urbanism and culture, teaching important transferable skills that you'll use wherever you are, whatever you do in the future.

UCD Landscape Architecture is taught in unique facilities in the School of Architecture, Planning and Environmental Policy in the Richview/Newstead buildings on the Belfield campus. These facilities include bright and airy studios, a well-equipped workshop and building laboratory, exhibition spaces and the best architectural library in the country.

CAO Points Range 2017

348 – 550

Length of Course

4 Years (BSc) (Hons)

Places

25

Entry Requirements

- English
- Irish
- Mathematics
- Three other recognised subjects

Leaving Certificate

You must obtain a minimum of Grade H5 in two subjects and a minimum of Grade O6/H7 in the remaining four subjects

A-Level/GCSE

see www.ucd.ie/myucd/alevel

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Entry Routes

None

Mature Entry Route

Yes

KEY FEATURES



ILI Accredited



Dedicated design studios, workshop, building laboratory, computer labs and exhibition space



Unique facilities in the Richview / Newstead Buildings at Belfield



Access to UCD Horizons Elective Modules



Home to Ireland's best Architecture Library



International study opportunities (including Europe, Asia, America and Australia)

WHAT'S ON OFFER THROUGH LANDSCAPE ARCHITECTURE IN UCD?

The design studio is central to Landscape Architecture. You will spend most of your time in the studio, pursuing individual and small group project work structured to foster the creative problem-solving skills needed to develop an understanding of space and context, and a respect for natural processes. You will learn by doing design projects that allow you to develop creative skills and apply knowledge taught through lectures, seminars, drawing classes, field trips, reviews, readings, individual and group tutorials.

Studio programmes are taught by practising landscape architects, many of whom are leaders in their profession whose work is widely recognised on a global level.

EDUCATIONAL MODEL

The UCD Landscape Architecture degree course comprises two main elements: studio project work and lectures. Design modules make up 50% of this degree course and students spend half of the week in the studio. Design methodology is taught and practised in studio-based landscape design modules involving on-site projects and requiring an important element of self-direction. As students progress through the course they will learn to inform design decisions by analysis of information concerning the natural and cultural processes affecting particular case studies. The other half of the course involves lecture modules, which provide theoretical material in the areas of ecology and the earth sciences, landscape planning, management, materials and construction techniques. In addition to their core landscape architecture modules, students have the option to take elective modules from throughout UCD on the Horizons programme, which will enable them to choose to study modules across a varied range of subjects from politics to philosophy, language to law and art history to maths.

The Landscape Architecture degree at UCD is part of the European Landscape Education Exchange. This Erasmus programme is a landscape architecture education network involving 11 universities in Europe and providing student exchange. Students regularly spend time abroad, either on short field trips, participating in intensive design studios with students from other universities, or opting to spend a semester studying at one of our partner universities.

Our education model is designed to give students the creative ability and discipline to work alone or as part of a team of specialists. As graduates, Landscape Architects frequently work as part of large multidisciplinary teams alongside architects, engineers, planners, artists, ecologists, and surveyors. Such is the broad overview gained in UCD Landscape Architecture that graduates are often chosen as the master planners for large-scale projects.

Lectures fall into three main categories:

Ecological and Environmental Sciences: Land Use & the Environment, Environmental Impact Assessment, Landscape Ecology, Soils, Biology, Botany, Trees & Shrubs.

Human Sciences, Technology and Culture: Landscape History & Theory, Archaeology, Rural & Landscape Planning, Landscape Materials & Construction, Aesthetics, Drawing and Landscape Representation.

Professional and Managerial Skills: Professional Practice, Law, Research and Writing.

A combination of regular studio reviews, reports, as well as end-of-semester written and portfolio examinations is used to assess your work. The 4th year concludes with a design thesis based on a subject of your own choosing.

Career & graduate study opportunities

Graduates of UCD Landscape Architecture work all over the world because of their transferable skills. The increased emphasis at local and national level on the importance of the environment, green spaces, and sympathetic and aesthetically pleasing developments, means that landscape architecture is an expanding profession. Salaries are on a par with other professionals within conservation and the built environment, and the variety of employment opportunities makes landscape architecture an exciting option.

Our students become professional landscape architects, setting up in business, working in private practice, for governmental bodies or NGO's. Others go onto further academic study in landscape architecture, or related subjects and some go onto work in areas such as:

- Environmental and Ecological Policy-Making
- Conservation and Resource Management
- Planning or Urban Design

The majority of our students become professional landscape architects. After two years of approved graduate work experience, our graduates can sit the Irish Landscape Institute (ILI) professional practice exams leading to full professional membership of the ILI. Two Masters programmes, Landscape Architecture (MLA) and Landscape Studies (MArchSc), are available for those who wish to pursue the subject at taught graduate level. The School of Architecture also offers related Masters by Research and Doctoral programmes.



Jennifer O'Donnell, Architecture Graduate

I have been fascinated by architecture since I was a teenager. It started when I learned to draw in Technical Graphics class in school, and from my first day in UCD I knew I had made the right choice. A typical day is spent in studio where you and your classmates learn the skills to analyse, design, present and critique a design project. Your tutors are practicing architects and academics, whose intellectual and professional knowledge is supported by a lecture series in history, structures, graphic design, 3D modelling etc. After I graduated from UCD I felt I had the skills, confidence and encouragement to take a risk. I moved to Germany, where I now work for Sauerbruch Hutton Architects in the centre of Berlin.



Colin Torpay, Landscape Architecture Graduate

For as long as I can remember I have loved art and design. During secondary school, I was very interested in Geography and began to develop an interest in land use and the environment. A degree in Landscape Architecture offered me the opportunity to study a subject of great interest to me while allowing me to develop my artistic side. The course required a lot of hard work but the rewards compensated. I found myself with an understanding of environmental conservation and a concern for sympathetic future development, both urban and rural. Also, my design capabilities improved to an extent that I would never have thought possible. Having graduated in 2014, I was delighted to be offered a job with an eminent Dublin firm called BSLA and have since been working on some very rewarding projects.



UCD College of Engineering
and Architecture

UCD City Planning & Environmental Policy

DN130 City Planning & Environmental Policy



UCD CITY PLANNING & ENVIRONMENTAL POLICY OPEN DAY

Saturday, 27th January 2018, 12 noon to 2.30pm
Tour of Planning and Environment facilities at 12.30pm
Visit www.myUCD.ie to register



UCD CITY PLANNING & ENVIRONMENTAL POLICY (DN130)

BSc (Hons) (NFQ Level 8), MRUP & MSc (NFQ Level 9)

INTRODUCTION

The planning and environmental policy department within our School is the oldest, largest and most respected in Ireland. Indeed, most planners currently employed in Ireland were educated here. Planning and Environmental Policy at UCD enjoys a strong international reputation with the BSc in City Planning & Environmental Policy recognised by both the Royal Town Planning Institute (RTPI) and the Irish Planning Institute (IPI).

Planning and environmental policy are about building on knowledge of the world around us to create a better world. This programme gives you the skills to envisage and enable real world change. If you would like to make a positive difference to how our world works, then this programme is for you.

This exciting programme is about solving real world issues that we experience in our everyday lives. Where should we build our schools, shops and stadiums? What can we do to conserve our unique natural environment? How can we protect our cultural heritage? Planners, environmental policy experts and urban designers tackle such issues on a daily basis. They do so by promoting sustainable development to improve our quality of life and enhance the natural environment.

Students on this programme have access to prime and custom designed spaces, facilities and equipment including the Geospatial Analysis Lab (GeoSAL), planning and design studios, as well as a dedicated Architecture, Planning and Map Library.

CAO Points Range 2017

N/A

Length of Course

3 Years (BSc)(Hons) + 1 Years Master's programme

Places

25

Entry Requirements

- English
- Irish
- Mathematics
- Three other recognised subjects

Leaving Certificate

You must obtain a minimum of Grade H5 in two subjects and a minimum of Grade O6/H7 in the remaining four subjects

A-Level/GCSE

see www.ucd.ie/myucd/alevel

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Entry Routes

None

Mature Entry Route

Yes

KEY FEATURES



RTPI and IPI Recognised



Dedicated design studios, computer labs and exhibition space



Unique facilities in the Richview / Newstead Buildings at Belfield



Access to UCD Horizons Elective Modules



Home to Ireland's best Architecture, Planning and Map Library



International study opportunities (including Europe, Asia, America and Australia)

WHAT'S ON OFFER THROUGH CITY PLANNING & ENVIRONMENTAL POLICY IN UCD?

Most of this programme is delivered in the scenic Richview Campus. Here you will experience a lively environment of inspiring creativity and stimulating diversity. As this is a programme focused on tackling real world issues, you will engage with real world topics from the outset. This involves fieldtrips, studio work and pioneering case study analysis. Emphasis is placed on integrating understanding with imagination so that students learn to formulate and test innovative solutions to the planning and environmental challenges facing society.

UCD produces planners, designers and environmental policy experts skilled at addressing pressing global, national and local social, political, economic and

environmental issues. Therefore, we continually review and update the content of our programme to maintain the high calibre of graduates produced by the School. The School promotes a research-lead teaching approach whereby cutting-edge research undertaken by staff feeds seamlessly into lectures. This process is advanced by a teaching team that enjoys an international reputation for consistently producing path-defining research. A key feature of the programme is the delivery of lectures by practicing planners and environmental policy experts at the vanguard of their profession. The inclusion of teaching by such field-shaping practitioners ensures that students are continually exposed to leading-edge practice, thereby favourably positioning the School's graduates in the employment market.

EDUCATIONAL MODEL

The City Planning & Environmental Policy degree integrates subjects which will deepen and broaden your understanding of the environmental, social and economic dimensions of sustainable development. The programme is delivered in two stages:

In **Stage 1** you will be provided with a comprehensive introduction to Spatial Planning and Environmental Change & Policy by taking an array of core modules. You will begin to develop your awareness of the physical layout and design of urban areas while you deepen your knowledge of physical and human geography.

Stage 2 is the time for acquiring practical knowledge and skills. At this stage, you will develop a more in-depth understanding of the how to plan for positive change by exploring the interactions and interdependencies of land use, transportation and urban design, as well as social and economic issues.

You will acquire practical communication and analytical skills, in addition to competency in geographic information systems (GIS).

The lecture programme can be grouped under two themes:

Planning: urban and rural planning; community planning; transportation; GIS; understanding landscape; placemaking

Environment: sustainability; environmental change and management; working with natural processes

Fieldtrips, studios and interactive guided discussions are employed across these themes and in both stages of the programme. A combination of continuous assessment and end-of semester written examinations is used.

Career & graduate study opportunities

A degree in City Planning & Environmental Policy provides you with both strong analytical skills and the ability to think critically about the built and natural environment. In addition, this degree has received 'spatialist' accreditation from the Royal Town Planning Institute and thus provides a route to becoming a professional planner.

If you are thinking about a career as a planner, you would only need to complete a one-year specialist Masters Programme following this degree. The School provides three Masters Programme options that fulfill this purpose:

- Masters in Regional and Urban Planning
- MSc in Environmental Policy
- MSc in Urban Design and Planning

Graduates of UCD City Planning & Environmental Policy can find employment both in Ireland and internationally. While the traditional employers of graduates are city and county councils, many graduates have found rewarding employment in private sector consultancies, multinational businesses, a variety of governmental bodies and NGOs. Salaries equal and commonly exceed those of other built environment professions.



Tara Skakie, Graduate

My ideal progression when I decided to study with the Planning and Environmental Policy department in UCD was to change the world! Social justice, environmental protection and how we create beautiful places have long been important topics in my life. Now there is so much in the news about climate change, the need to create better places to live and work in and how humans influence the planet I decided that it would be better to be actually qualified to do something about it rather than just type meaningless posts on Facebook. Studying in UCD is preparing us to prepare the world for a better future.



Jamie Barry, Graduate

Studying in the Planning and Environmental Policy department has been a fantastic experience for me from the very onset. Covering topics from the history of planning to its economics it is a broad and intuitive course that provides all of the skills a planner could need. With a focus on both theory and practice you get a solid grounding in all aspects of planning, and the lecturers and facilities go above and beyond this, ensuring that students have everything they need to achieve their full potential. Based in Richview, students are surrounded by studios, workshops and the well-resourced library. With classes of 25, every planning lecture is inclusive, with active discussion between the lecturers, who are experts in their fields, and the students.



UCD ENGINEERING AND ARCHITECTURE PROGRAMME OFFICE

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