



FOUNDATION

# Global Talent, Global Ambition

UCD Rising to the Future







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# Our Timeline

As Ireland's largest university, founded in 1854, UCD boasts an illustrious and wide-spanning history, from its start as the Catholic University of Ireland through to the modern and growing campus at Belfield.

**1854**

The university doors are opened, making higher education accessible to a wealth of citizens - students who would later become the civil servants, politicians, lawyers architects, historians, and philosophers who helped to shape Irish society.



**1947**

Dr. Michael Tierney, President of UCD, conceives the scheme of a new UCD, built on a suburban site. Subsequently, Tierney becomes intimately involved in the purchasing of several hundred acres in the neighbourhood of Belfield over the next 17 years.



**1962**

First sod is turned on the Science Block at Belfield and construction commences. UCD is set to become Ireland's first modern campus university, with the project the largest of its kind ever to be carried out in Ireland. Lyons Estate, County Dublin, is purchased as the field experimental and teaching facility of the Faculty of Agriculture.

**1972**

Construction of the Water Tower takes place over a period of just seven days. Standing 60 metres high, the Tower won the 1979 Irish Concrete Society award and is a part of the UCD Environmental Research Station.



## 1989

The last large move to the Belfield campus concludes, and independent UCD student newspaper, *The College Tribune*, is founded.



## 2000-2014

Monumental infrastructure improvements are made, including the opening of The Veterinary School and Teaching Hospital, The Quinn School of Business, O'Brien Centre for Science and UCD Sutherland School of Law.

2004 heralds a milestone anniversary, celebrating 150 years.



## 2014-Present

UCD continues to proliferate as student population significantly increases, new residences are constructed, and the campus expands to welcome new initiatives.

The Confucius Institute is established in 2017, with the goal of developing longer educational, cultural and commercial links between Ireland and China.

2019 sees the launch of The University Club, providing UCD and its members with event space, dining facilities, and meeting rooms. The Moore Centre for Business opens in 2019 as does Ireland's newest cultural institution, MOLI (the Museum of Literature Ireland), a partnership between UCD and the National Library of Ireland.





## Supporting Research and Innovation

Research at UCD addresses both the challenges and opportunities as we strive to positively shape Ireland and the wider world. Across the disciplines of science, engineering, humanities, business, and the arts, we are successfully building a continuum through interdisciplinary research and scholarship.

Working with over 250 companies, voluntary bodies, and the government, we address national research priorities and maximise the global impact of Irish research.

2019's highlights alone are indicative of standout achievements and progress, with UCD currently ranking in the top 1% of higher education institutes worldwide. We are Ireland's largest and most global university, with 269,000 alumni from 165 countries.

Collaboration is at the crux of our activity, and actively partner with all the top universities in the world. In addition, we collaborate with over 270 industry partners and over half of our research publications are co-authored by international academics. Our research publications in Scopus' 37k-strong abstract and citation database totals 3.7k, with the publication impact of this research 74% above the world average.

### ABOUT UCD DUBLIN

**9,308**  
GRADUATE  
STUDENTS

**1,571**  
PhD  
STUDENTS

**1,672**  
ACADEMIC  
STAFF



### GLOBAL RANKINGS

**86**  
in Europe

**193**  
in the world



**14** subjects in the  
TOP 100 in the world

**TOP 1% OF  
HIGHER EDUCATION  
INSTITUTIONS  
WORLDWIDE**

Source: QS Worldwide University Rankings by subject 2019

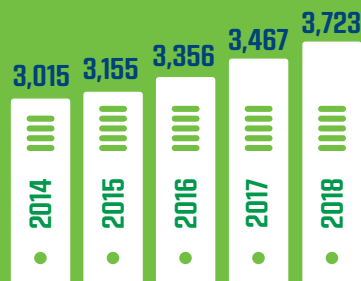


# UCD Key Highlights

## Research and Innovation 2019

### RESEARCH PUBLICATIONS

Number of publications  
in Scopus:



Source: Elsevier SciVal

Publication impact  
**74%**  
above world average



### COLLABORATION



UCD COLLABORATES WITH:

**161**  
COUNTRIES

**270+**  
INDUSTRY PARTNERS

**56%** of UCD's publications  
are co-authored with  
international academics

UCD collaborates with **ALL TOP 10** universities in the world

Source: Elsevier SciVal

### RESEARCH AWARDS



**€122m** in new externally  
funded research  
awards for 2017/18

**€1.11bn**  
in new awards since 2008



### INNOVATION

2014-2018:

**17**  
SPIN-OUT  
COMPANIES

**319**  
INVENTIONS  
DISCLOSED

**110**  
LICENCE  
AGREEMENTS  
CONCLUDED

**95**  
PATENTS  
FILED

**32**  
PATENTS  
GRANTED

**€760m+** raised in equity funding  
by NovaUCD companies  
in the last 15 years



## Recruiting and Nurturing Leading Academics

### The Newman Fellowship Programme

Since 1989, leading Irish and multinational corporations, semi-state bodies, voluntary organisations, and individuals have supported high-calibre, post-doctoral research across the humanities and sciences through the Newman Fellowship Programme. Each Fellowship offers financial support for two years, allowing the Fellow the freedom they require to enable them to contribute greatly to the academic research of their particular discipline, and to the university in general.

Over 180 Fellowships have been awarded since its inception, resulting in the delivery of world-class research across a wide spectrum of disciplines, bringing enormous benefits to both Ireland and the international community. The Newman Fellowship Programme and its success depends on generous financial support from the corporate, non-profit and philanthropic sectors, and we are grateful for their leadership and commitment to supporting research and innovation.





## Case Study - Newman Fellowship

### Dr Charlene Foley

**Arthritis Ireland and Down Syndrome Ireland  
Newman Fellow in Down's Arthropathy**



Dr Charlene Foley was awarded a Newman Fellowship and from 2016-2017 she used her two-year funding to highlight the increased risk that children with Down syndrome face in contracting a number of autoimmune diseases, including arthritis, when compared with the general paediatric population.

Prior to her research, there was limited literature and a significant paucity of data available for reference, leading to a general lack of awareness about the risk of this condition. This resulted in delayed diagnosis and unnecessary disability and functional impairment in a group of children already at significant clinical risk.

Mentored by UCD Professor Gerry Wilson and based in the Education and Research Centre in St Vincent's University Hospital, Charlene conducted a ground-breaking study on Down's arthropathy, the first of its kind worldwide which discovered that one in fifty children with Down's syndrome has arthritis, more than twice than previously estimated. These results are helping to improve the provision of care and quality of life for children with Down's arthropathy. So impactful were the results of this study, it was reported in many national newspapers and radio stations across the country.







# Recruiting and Nurturing Leading Academics

## Ad Astra Fellowship

The UCD Ad Astra Fellowship scheme provides an opportunity for high-potential, early-stage academics to join us on an exciting journey.

In 2019, we recruited 65 of the brightest talents from around the world - those who share our underpinning values of excellence, creativity and integrity, and want to build their careers in an ambitious university from one of Europe's most vibrant, friendly and connected cities.

As we expand our faculty numbers, our student: faculty ratio will reduce, allowing us to introduce exciting new pedagogical approaches that will prepare our graduates for the future. As we are already the biggest producer of research output in Ireland, our ambition is to be known around the globe as a research-intensive university, where a suite of strong disciplines are vigorously tackling global issues such as the UN sustainable development goals.

# Ireland's Global University

## International Presence

University College Dublin aims to bring 'the best of the world to Ireland and the best of Ireland, including its distinct cultures, to the world'. We strive to


- Develop a distinctive global culture which will encompass all aspects of university life
- Extend and develop strategic relationships to enhance our global engagement
- Grow our global reputation for excellence in education, research, innovation and impact
- Increase the global impact of our scholarship, research and innovation
- Further develop an enabling environment for UCD's global activities





## Ireland's Global University - International Presence

**Top 1%**  
of higher education  
institutions  
worldwide



**160 +**  
years of  
tradition



**400 +**  
international  
university  
partners



**6,500 +**  
international  
students from  
120+ countries



### 4 UCD Global Centres



Beijing



Delhi



New York



Kuala Lumpur

**1,300 +**



students have participated  
on the UCD Volunteers  
Overseas Programme


**6,500 +**



students have participated  
on the International Mobility Programmes  
since 2001

 **24%**  
research funding received from  
international sources

 **52%**  
of papers have  
international  
co-authors


 Over  
**230,000**  
alumni  
in 170 countries

**38**  
international  
alumni chapters



 **37%**  
international  
academic &  
research staff

 **1st**  
Beijing based  
dual degree  
awarding  
institution

 **5,500 +**  
students studying on  
overseas programmes

**1st**  
Confucius  
Institute  
for Ireland



# Supporting Students

## Supporting Students

We work to provide the best possible learning environment for our students, responding to student needs, concerns and to new opportunities.

## Supporting Student Well-Being

In each of the past two academic years, mental health support has ranked as the top funding priority among the student population in surveys conducted by UCD Students' Union. With part-funding from UCD Foundation, UCD supports student wellbeing through a counselling service, health service and through student advisors.

## Support Funds

To provide our students with an outstanding education both in and outside of the classroom, UCD are launching a number of College or School-level Funds that will provide much-needed financial resources to support internships, skill-based volunteering, masterclasses, mentoring and minor capital investment for labs or classrooms.

To date, Support Funds have been established for Arts and Humanities; Engineering; Architecture, Business; Health and Agricultural Sciences; and Law.





**In 2018**



**€2.3m** was raised  
by our UCD Champions  
enabling us to award  
**141** new scholarships  
for the coming year



**102** new **Cothrom na Féinne**  
scholarships assisting UCD students  
facing significant hardships and barriers  
to education funded for the coming year



Over **3,584**  
**UCD Champions**  
donated towards  
scholarships



**10** new undergraduate  
scholarships with provision for  
**5** new Ad Astra scholarships  
for the coming year



Over **300** undergraduate  
and post graduate scholarships  
were awarded this year. This demonstrates  
the philanthropic generosity of our  
individual and corporate donors



# UCD Masterplan

The Strategic Campus Development Plan 2016-2021-2026 plans for physical development of our campus that will help realise our aim of becoming a global Top 100 university. This investment in our campus will deliver world-class facilities and infrastructure and an accessible environment that encourages community engagement.

Our plan seeks to deliver on several key areas:

- Supporting the delivery of world-class facilities that are designed to meet the evolving needs of a modern university
- Delivering high architectural quality, with a focus on sustainable design, minimising the impact of the campus on the environment
- Protecting and developing the Belfield campus while preserving biodiversity
- Developing the campus community, improving public leisure and recreation areas, bridging the gap between faculty and staff, student and public interaction
- Significant campus 'Character Areas': Education, Research and Innovation Area; Residential Area; and the Sports and Recreation Area
- Reaching out and fostering engagement with the local community
- Providing high quality residential accommodation, meeting the needs of a rapidly growing student population
- Supporting the new UCD Travel Plan in order to maximise accessibility of the university in the most sustainable way. As a community, we have a responsibility for the impact of commuting as the campus population grows, which is why we have prepared our first ever plan to address this challenge





# UCD Masterplan

## Student Residences

We strive to provide our students with the best facilities and services for on-campus accommodation. As demand for residences far exceeds supply, we have devised a residential masterplan to increase the number of beds on campus from 3,168 to 5,200, creating a living community in a new residential village.

Seamless pedestrian routes will allow smooth integration between the villages, while Activity Hubs are provided within, making student accommodation more than just a place to sleep.

Complete with lounges, study spaces, a gym, function hall and wellbeing centre - these elements will create a greater sense of space and place, and ultimately make for a home. These vibrant and socially engaging hubs will enhance and integrate with the wider university. Supporting shops, cafes, banks, parking and bike space will further aid the quality of on-campus living.

Building design will be conscious of the surrounding landscape and will exist in harmony with the area. A range of student amenities and common spaces will additionally comprise a mix of outdoor spaces within the courtyard, as well as a multi-use external courtyard and outside active area.

All together, this will reinforce our healthy campus ethos, promoting the well-being of its inhabitants, and providing a safe, secure, and comfortable living environment.



# UCD Masterplan

## Sports and Recreation

An exciting masterplan for UCD's Sports and Amenities Precinct is similarly underway, with a number of sports infrastructure projects already completed, including provision for floodlighting on the rugby pitch at Thornfield, and resurfacing of the all-weather hockey pitch.

This area is designed to showcase sporting talent and participation, as well as the natural landscape around it. Such provision of publicly accessible and welcoming recreation facilities promotes a balanced, healthy lifestyle for students, faculty, staff, and the local community alike.

30 full-size external rugby, soccer, hockey and Gaelic Athletic Association (GAA) pitches are in place, as well as tennis courts, a 50m pool, Sports Centre, National Hockey Stadium and gymnasium. The UCD Bowl was further developed to provide a high-quality outdoor sports area for both football and rugby, and synthetic all-weather pitches have been developed to greatly improve conditions for year-round training and matches.

Philanthropy has played a vital role in the development of a new, state-of-the-art, running track in UCD. This new piece of sporting infrastructure will enable athletes of all levels to train on Belfield campus and marks another valuable addition to our on-campus sports facilities.

Initiatives to enhance community engagement in the immediate environs will be fostered through access to playing pitches, the sculptural art trail, woodland walks for local clubs, families and visitors in addition to public access to cultural exhibitions, seminars, the UCD cinema and theatre events.

With the campus lands providing such rich recreational, cultural and social resources, we will continue to improve and expand, creating centres of sporting excellence and world-class facilities.







Artist's impression of the new, state-of-the-art, running track



# UCD Masterplan

## Science

The third and capstone phase of development for the UCD O'Brien Centre for Science will build on the already highly successful gains delivered in Phases I and II, including the development of approximately 42,000sqm of new or refurbished space for cutting-edge laboratories, specialised research institutes, and a Discover Science space for engaging the general public.

This collaborative building provides a vision for science in the 21st century by linking education, research and innovation to develop life-enhancing products, services and solutions to the world's most pressing challenges.

Phase 3 will see the culmination of the wealth of work on the Science District, creating one of Europe's largest science districts and provide world-class facilities for our students. This will help cement UCD's current position as the destination of choice for the top 5% of science students in Ireland. With the number of science students expected to increase to over 6,000 by 2026, the completion of the 67,000sqm UCD O'Brien Centre for Science is an urgent priority for UCD.





# UCD Masterplan

## Newman Building

The Newman Building - opened in 1970 and originally known as the Arts-Commerce-Law Building - is undergoing substantial improvements to internal teaching and office accommodation in order to bring the space up to modern standards.

In maximising the use of natural light together with a strong focus on colours and materials, the completed refurbishment will be of a quality and finish comparable with that of newly constructed buildings on campus.

Newman's upgraded facilities will deliver an energy efficient building that actively supports collaboration and community working.





## UCD Future Campus

UCD's Future Campus will inspire and nurture generations of students, providing the highest standards of learning and well-being spaces, enhancing and enlivening the university campus.

Our imposing Future Campus is characterised by a strong physical presence, surrounded by a plaza and reflecting pool, acting as an iconic landmark and attraction for visitors, and adding greater permeability of UCD's perimeter boundary to strengthen links between campus and the community.

These designs allow for flexible and creative use of space, future-proofing UCD for growth in its rapidly expanding student and faculty numbers. Future Campus will include the Centre for Future Learning and the Centre for Creativity, two buildings that will form a dominating 23.8 hectare campus precinct.

Overall, Future Campus will demonstrate our unparalleled ambition, global reach, and commitment to creativity and innovation.









# UCD Future Campus

## Centre for Creativity

In 2018, UCD announced that the winning submission to an international design competition had been selected. The award-winning Steven Holl Architects (SHA) submitted a winning design for the UCD Centre for Creativity, an iconic new building that will give UCD an immediate physical presence and visibility as an internationally minded, dynamic and creative place of learning and research.

The Centre, set by a plaza and a reflecting pool, displays prismatic forms inspired by the geology of the UNESCO World Heritage Site, the Giant's Causeway, and the most famous landmarks featured in James Joyce's Ulysses. It features abundant use of natural light, which is captured by two vertical structures angled at 23 degrees, mirroring the earth's tilt. The auditorium echoes the shape of UCD's iconic dodecahedral 1972 water tower; the Centre's towers respond to the water tower's pentagonal pillar.

The Centre is intended to encourage creative collaboration and interaction with a "circuit of social connection" that allows students, faculty and visitors to peer into maker and classroom spaces through glass walls but also respects deep creativity by providing spaces for concentration and silence. The inclusion of public spaces such as art galleries and a viewing platform, will help to promote, strengthen and support community and public engagement.

Our sustainable values feature heavily in the Centre's design, which will incorporate energy-saving tactics and green technologies, while respecting the campus' natural environment and biodiversity.

The UCD Centre for Creativity will be an unrivalled focal point and proud cornerstone for UCD and will consolidate the two Schools of the College of Engineering and Architecture to create a home for maker spaces, design studios and laboratories.







# UCD Future Campus

## Centre for Future learning

As the full-time student population is set to exceed 30,000 by 2024, UCD's facilities will suffer substantial strain, and some schools are already at or beyond current capacity.

The creation of the Centre for Future Learning, however, represents a significant investment in futureproofing for UCD and tackling this pressing issue.

The design of the Centre will be underpinned by key attributes such as flexibility - providing spaces that can be adapted as and when needs arise. Efficiency is also of the highest principle, with the Centre acting as a single space which can perform multiple functions in a seamless and effective way, ensuring that the space is fit for purpose.

The space within will be designed to predict and cater for potential future changes in demographics, cultural habits and other variables as the years progress, reducing the capital burden of continuous expansive and repurposing of UCD's buildings.

The multi-purpose Centre for Future Learning will allow for more interaction between students, academic departments and faculty, bringing more cohesion to our modern campus and ensuring that UCD has the adaptable space we need to accommodate more students and different ways of teaching and learning.









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