

# UCD Graduate Studies

Programme Listing 2017



**University College Dublin**

Ireland's Global University

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The information provided in this prospectus is correct at the time of going to press. University College Dublin reserves the right to make changes at any time.



## Welcome from the President

At University College Dublin, our students are at the core of our University. We strive to provide a holistic education, instilling a desire to continually learn and create, to question and reason, to innovate and ultimately, to contribute to society, nationally and globally.

UCD is Ireland's global university – with over 7,000 international students, this a very cosmopolitan campus. We are one of Europe's leading research-intensive universities and Ireland's leader in graduate studies with over 8,600 graduate students and just over a fifth of those being graduate research students.

Your postgraduate experience starts you on a journey of academic and personal discovery that will equip you for life. You will have the opportunity to get involved in the UCD community; enjoy the range of societies

and sports, the events and campus facilities; cementing friendships and making new ones.

As you consider your future, I hope that this prospectus will give you a flavour of the breadth of opportunity, academic guidance and career support that awaits you. I invite you to find out as much as you can about the subject areas that may interest you. You can start with this prospectus, but you will learn so much more from the website and from talking to faculty and friends who have made the journey before you.



**Professor Andrew Deeks,  
President**



UCD  
leads & shapes  
agendas in Ireland and  
throughout the world



With over 160 years of tradition, UCD has been a major contributor to the making of modern Ireland; leading and shaping agendas since its foundation in 1854.

UCD was created from an idea, its founder John Henry Newman's The Idea of a University, written in 1852. This idea sought 'true enlargement of mind' and 'a university mission to benefit the wider world'. To this day, UCD stays true to this ethos.

UCD is a distinctively Irish university but with global impact.

UCD is the most connected and networked university with Government, industry and society in Ireland.

### UCD in the top 1%

**TOP 1%** UCD is one of the world's elite universities – among the top 1% in world university rankings (THE and QS)

**62% ABOVE** UCD's citation impact is 62% above world averages (2011-2015) reflecting the quality of research

### QS Subject Rankings 2014

**#1** No 1 in Ireland in 12 out of 42 subjects

**TOP 100** In the top 100 in 11 out of 42 subjects

UCD is at the forefront of global knowledge and research studies that have real societal impact. As the highest level research is, by its nature, global in scope, UCD fosters collaboration with the 'best of the best' researchers across the world.

The university has a focus on five research priorities (Culture, Economy and Society; Health; Information, Computation and Communications; Agri-Food; and Energy and Environment) which map to critical global research challenges. UCD collaborates with industry worldwide to develop knowledge and solutions within these priority areas.

### Global Connections

- UCD is a member of several international research and education networks such as Universitas 21 (U21), Erasmus, UNICA and EUC.
- UCD is research collaborator with 71 universities in Top 100 Times Higher 2015-16 Rankings.
- UCD has a presence around the world through overseas programmes: UCD provides and accredits degree programmes in co-operation with partner institutions in China, such as Peking, Renmin and Fudan; as well as in Singapore, Malaysia, and Sri Lanka.

### What they say about UCD:

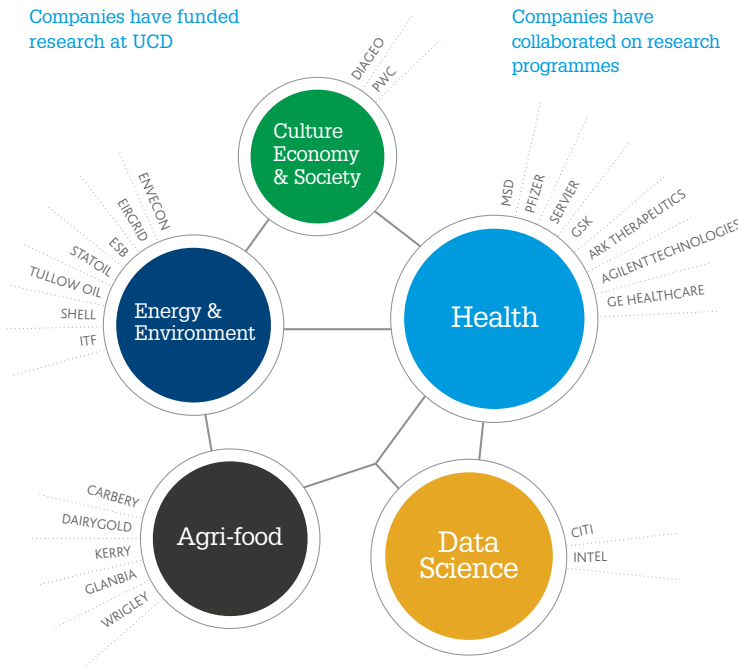


Many of UCD's 235,000+ alumni have made their mark in all areas of industry, arts, engineering, science, culture, sport and public life, in Ireland and abroad.

### Industry Partnerships


**250+**  
Companies have funded research at UCD

**1000+**  
Companies have collaborated on research programmes



### Global collaboration

More than 50 companies are currently located at UCD and over 250 companies have funded research at UCD in recent years. In addition, more than 1,000 companies have collaborated on research projects. UCD, through NovaUCD, has since 2003 provided business support to over 290 companies and early-stage ventures and earned over €8 million in commercialisation income.



# Destination Dublin

University College Dublin's friendly and welcoming campus is based in one of Europe's most vital, vibrant capital cities.

Dublin is noted for its young, creative population, Dublin was voted in the **Top 10 Best Student Cities in the World** by QS World University Rankings 2012



Dublin is one of the **three most visited capital cities in Europe**



Nominated by Fortune Magazine as the **best European City for business people**



Rimmed by beaches to the east and mountains to the south, and dotted with parks, Dublin boasts wonderful amenities for everyone to enjoy



The city is famous for its **live music, vibrant theatre and performance arts culture**. James Joyce, a UCD alumni, is one of Dublin's many internationally renowned playwrights



Dublin Bikes is the **most successful city bike rental scheme in Europe** with 1 million trips a year



Dublin's international airport provides a **gateway to the capital cities of Europe and the rest of the world**



# Life at UCD







## UCD Campus Life

**Sarah McLaughlin**  
USA

MSocSc Social Work  
(Social Worker, US)

*"The campus has excellent facilities and a proactive student body which ensures a great student life definitely worth experiencing."*

**Matteo Cavasin**  
Italy

ME Materials Science  
& Engineering

*"I would describe UCD as a really stimulating environment where you have the chance to learn about your subject of interest, but also get to cultivate many different interests; recreational, sporting and cultural."*

### What's on campus?

The main Belfield campus offers students a wide range of services, including restaurants, cafés, well-stocked shops, a campus bookshop, a bike shop, crèche and a barber shop. Launderettes are available for the student residences. There is also a post office and full banking facilities on campus.

### UCD Student Centre and UCD Sports Centre

The Student Centre and Sports Centre is home to over 150 clubs and societies.

#### The award winning centre has:

- A state-of-the-art 3D cinema which screens the latest blockbusters and classics
- Drama theatre
- Debating chamber
- 600-seat auditorium
- Meeting rooms (for student clubs and societies)
- TV studio
- Radio pod
- Seminar room
- Medical centre, pharmacy, barber and newsagent
- Great places to eat or just chill out

For more detail, see [www.ucd.ie/sport](http://www.ucd.ie/sport), [www.ucd.ie/sportandfitness](http://www.ucd.ie/sportandfitness) and [www.ucd.ie/studentcentre](http://www.ucd.ie/studentcentre)  
Check us out on [facebook.com/studentcentre](https://facebook.com/studentcentre), [www.facebook.ie/ucdsport](https://www.facebook.ie/ucdsport) and on twitter at [@ucdsportsclubs](https://twitter.com/ucdsportsclubs)

A passion for sport and participation can be seen throughout UCD.

#### Sports facilities include:

- 50 metre, Olympic standard swimming pool
- Gym, dance and spinning studios (free for students)
- Sauna and jacuzzi
- Three multi-purpose sports halls
- Four squash courts
- Handball/racquetball alley
- Climbing wall
- Changing facilities for indoor and outdoor sports
- High performance and squad gyms
- 12 natural grass pitches on campus, including the UCD Bowl, home ground to both UCD RFC and UCD AFC
- Five floodlit tennis courts
- Six synthetic 5-a-side pitches
- A sand-based hockey pitch
- A synthetic rugby pitch
- A synthetic GAA pitch
- A synthetic 11-a-side soccer pitch
- The National Hockey Stadium



## Student Societies

There are over seventy student societies. The energy of UCD's social life comes from student innovation and renewal. In every conceivable nook and cranny of student activity new societies spring into existence to try to stand the test of time and establish themselves as mainstays of university life. A small sample of student societies in UCD – DramSoc, Film Soc, Jazz Soc, Eng Soc (Engineering), Literary & Historical Society, Photo Soc, World Aid Soc, Medsoc, Retro Soc, French Soc, English Literary Society, Agricultural Society, Parents' Society, UCD LGBT (the Lesbian, Gay, Bisexual and Transgendered Society)... and far too many to mention.

[www.ucd.ie/socs.htm](http://www.ucd.ie/socs.htm)

## Student Facilities & Supports

### UCD International

UCD is Ireland's largest and most international university. It is home to over 6,000 international students and delivers degrees to over 5,000 students on overseas campuses. In addition, the University places great emphasis on the internationalisation of the Irish student experience – preparing all UCD students for future employment and life that crosses borders, boundaries and cultures.

UCD International offers a wide range of support to both international students and Irish students who wish to study abroad. The services offered by UCD International include:

- Pre-arrival information for new international students
- Airport welcome
- Orientation programmes
- Cultural and social events
- Assistance with University procedures
- Handbook for international students
- International Student Adviser who assists with personal and practical issues

To support potential international students and partners, we regularly travel overseas to participate in fairs and exhibitions; institutional visits; meet our agent network and prospective students.

Please visit: [www.ucd.ie/international/study-at-ucd-global/meet-ucd-events-inyour-country](http://www.ucd.ie/international/study-at-ucd-global/meet-ucd-events-inyour-country) for details of upcoming visits. For further information please connect with one of our UCD Global Centres in New York ([northamerica@ucd.ie](mailto:northamerica@ucd.ie)), Delhi, ([india@ucd.ie](mailto:india@ucd.ie)) Kuala Lumpur ([seasia@ucd.ie](mailto:seasia@ucd.ie)) or Beijing ([chinaoffice@ucd.ie](mailto:chinaoffice@ucd.ie)) & visit: [www.ucd.ie/International](http://www.ucd.ie/International).

### UCD Global Lounge

The UCD Global Lounge was designed for students and is managed by UCD students. It is a relaxed space for International and Irish students to hang out during their time in UCD. Open seven days a week, the Global Lounge plays host to a range of events and activities across the academic term. From academic seminars to national day celebrations to open mic nights, it is the centre of internationalisation on campus and provides a "home from home" experience to all UCD students.

[www.ucd.ie/international/ucdglobalounge](http://www.ucd.ie/international/ucdglobalounge)

### Accommodation

UCD has set aside 300 rooms on-campus for graduate students offering a 50 week licence to complement 3 semester courses. UCD has 4 bed with shared bathroom and 6 bed ensuite self-catering apartments available on both the Belfield and Blackrock campuses for graduate students.

UCD residences website [www.ucd.ie/residences](http://www.ucd.ie/residences) has details on the types of rooms available as well as virtual tours and information on booking a room.

If you would prefer to live off campus, UCD Residences Off-Campus Office located at Merville Residence Reception or the Student Union Accommodation office located at the Student Union Services office is available for advice.

For further information, please see

[www.ucd.ie/residences](http://www.ucd.ie/residences)  
[residences@ucd.ie](mailto:residences@ucd.ie)  
[www.ucdsu.ie](http://www.ucdsu.ie)

### UCD Students' Union

All UCD students are automatically members of UCD Students' Union (SU). The SU represents students' views and opinions, and works on a number of University committees from all areas of university life. The SU is there to advise, support and direct students through any kind of situation in which they may find themselves.

Throughout the year, the SU Entertainments (Ents) Office runs class trips, postgrad mixers, charity gigs, comedy nights, mystery tours and the prime event in the campus social calendar – the end of year party.

[www.ucd.ie/ucdsu](http://www.ucd.ie/ucdsu)

### UCD Student Desk

Need help with fees, transcripts, queries/admissions, registration, student records? The different types of support we offer are available at [www.ucd.ie/students](http://www.ucd.ie/students) (under Student Services Directory) or call in to see us at the Student Desk in the Tierney building.

[www.ucd.ie/students/studentdesk/](http://www.ucd.ie/students/studentdesk/)



## IT Services

### IT Access Anytime

UCD has the largest wireless network in the country so studying, socialising and working on assignments are easier at UCD. Students can avail of free wireless coverage on campus including residences. Online services can be accessed 24/7 whether you are at home or abroad through UCD Connect.

Almost 800 computers are available in open access labs including Stand Up and Surf (SUAS) PC areas throughout the University. There are also two walk-in IT Centres where you can bring your laptop and get help and advice on a range of IT services. Look out for our mobile IT Centre located around campus during term time!

Your UCD account provides Gmail and Google Drive, an integrated Google calendar, eLearning resources, software and much more. Download the free "UCD Mobile" app from the app store or Google Play for a campus map, dining options, library catalogue search, staff directory, Blackboard Mobile Learn, news and more.

Check out our IT Support pages on [www.ucd.ie/it](http://www.ucd.ie/it)

## UCD Library

We provide access to a wide range of digital and print resources, including eBooks and eJournals to support your research and study. We offer attractive study spaces across 5 libraries, including single and group study rooms and a dedicated Postgraduate Centre. The friendly and expert Library staff provide a wide range of support services, and we have an extensive range of online guides and tutorials to assist you. Our website provides an access point to our full range of resources and services.

[www.ucd.ie/library](http://www.ucd.ie/library)

## Student Welfare

### Student Advisers

Student Advisers provide support for all students throughout their university experience. They work closely with the administrative and academic staff as well as with the chaplains and other support staff. They offer students a space to express their concerns regarding social, personal or practical issues, and help students to access other support services where necessary. The main brief of Student Advisers is to be available to students on a one-to-one basis and ensure that each individual student gets the support, advice and assistance he or she needs during their time at UCD. They are also involved in a number of events in UCD, which aim to enhance the overall experience of all our students, e.g. orientation and peer mentoring for new students.

[www.ucd.ie/studentadvisers](http://www.ucd.ie/studentadvisers)

### Student Health and Counselling Service

The Student Health Service, located in the UCD Student Centre, provides on-campus medical and psychiatric care to registered students of the University. The Student Counselling Service is a confidential counselling support service run by professionally qualified clinical psychologists, counselling psychologists and counsellors. This service is located in the UCD Student Centre.

[www.ucd.ie/stuhealth](http://www.ucd.ie/stuhealth)

### UCD Access Centre

The ethos of the UCD Access Centre is to foster an inclusive educational environment and to facilitate students to become independent learners who engage fully in college life in UCD. A range of personal and academic supports have been devised to support students with varying needs.

[www.ucd.ie/openingworlds/ucdaccesscentre](http://www.ucd.ie/openingworlds/ucdaccesscentre)

# Developing your Career at UCD



## Developing Your Career at UCD



**Dean Crowley**  
Genzyme  
Ireland

MSc Biotechnology

*"The (internship) experience I gained gave me the best possible career start... I felt I had a vital competitive edge over other graduates who may have had little to no work experience. My proactiveness and work ethic shown throughout my 12 weeks in Genzyme was also rewarded as I secured a full time position here once I graduated. Ensure to use the UCD Career Development Centre for help: I had my CV and cover letter reviewed and got some extremely useful tips – this is what initially got my foot in the door."*

UCD helps graduate students develop the abilities, attributes and qualities that employers want, and will prepare them for their academic, personal and professional future.

### Planning Your Career: Help from the UCD Career Development Centre

It is important that you assess your future career as you progress through university, and take advantage of the services, expertise and development opportunities that UCD and the UCD Career Development Centre can offer. Our role is to help you find what you're looking for and to prepare you for it, so consider these four steps which will give you the best start possible:

#### 1. Engage

In order to get the most from UCD, and to impress your future employer, it is important to develop a rounded profile. In addition to a successful academic profile, employers will expect you to have been engaged during your time at UCD. We recommend that you get actively involved in something you value, enjoy and see as worthwhile, for example: join some of the student societies and sports clubs or try volunteering.

#### 2. Develop

Your future employers will expect you to possess clear career goals and skills, such as innovation, teamwork, problem solving, networking and leadership. We plan and develop opportunities, and help students find internships every year, but this is not something you should leave until the last moment. Pay us a visit early on, preferably in the first one or two months of your graduate studies.

#### 3. Stand Out

Getting the attention of your ideal employer requires a CV that stands out. You can develop such a CV with the expert coaching of our Career and Skills Consultants. Presenting your academic profile, employability skills, experience of the workplace and involvement in clubs and societies is critical to success in securing a job interview.

Every year, we help thousands of students develop excellent CVs and covering letters through one-to-one coaching sessions and through focused CV development workshops. Our success has been evident in how employers value UCD students, by transforming applications into real jobs.

#### 4. Progress

The diversity of the UCD experience and curriculum means that graduates find work locally, nationally and internationally in a broad range of roles across the private, public and not-for-profit sector.

In addition, NovaUCD supports the development of start-up companies and entrepreneurial activity.

Whatever career inspires you and wherever your career path takes you, a UCD education opens a world of opportunity.



## Microsoft

Emma Lee, MBA  
Global Program  
Manager, Microsoft

*"Microsoft Ireland hires approximately 60 interns across our business and technical internships. We hire across a broad range of disciplines. Participating in an internship provides students with a fantastic opportunity to gain hands-on work experience which will help differentiate them as graduates in an extremely competitive jobs market."*

## PwC

Evelyn Kelly, Senior  
Manager, PwC

*"Each year PwC recruits many UCD graduates, coming from a variety of disciplines – the traditional business and accountancy graduates but also graduates from science, engineering and law and arts backgrounds, among others – bringing a breadth of knowledge and experience. We recruit graduates who have a strong academic track record of achievement and other qualities including commercial awareness, communication and interpersonal skills."*

# UCD Students are in Demand

A qualification from a university of UCD's reputation places graduates in a strong position when it comes to job hunting. UCD remains a targeted university – during the 2015/16 academic year, 300+ employers participated in UCD on-campus recruitment events, from recruitment fairs to employer presentations – while thousands more advertise vacancies through the UCD Career Development Centre website.

## Recruitment Fairs

The UCD Career Development Centre connects students with graduate recruiters through an outstanding network of national and international employers. We engage employers in curriculum-based workshops, presentations and skills development sessions.

Every year the Career Development Centre delivers a comprehensive programme of recruitment fairs and employer events for UCD students. Annual recruitment fairs include the **Business, Finance and Management Recruitment Fair** and the **Science, Engineering and Technology Recruitment Fair**. Each of these fairs attracts 50+ high profile graduate recruiters, most of whom are multi-national organisations. The annual **Law Recruitment Fair** attracts top Irish and international law firms, while the annual **Internships Fair** connects students with employers offering paid internship opportunities, many of which can lead to graduate employment.

In addition to our suite of large recruitment fairs, the Career Development Centre also works with academic schools across the University to deliver bespoke

recruitment events. Each year 100+ top graduate employers come on campus to deliver recruitment presentations, skills workshops and recruiter-in-residence sessions.

Thousands of graduate and internship vacancies are advertised via the Career Development Centre's online portal **CareersConnect** and job opportunities are also notified to students via e-mail and social media.





**Ryan Kennedy**  
Management  
Consulting Analyst,  
Accenture

Master of Engineering  
Management (MEM)  
Graduate

*"I have benefited immensely from UCD Career Development Centre advice and continuous support, which is available to all UCD students and graduates. Their one-to-one appointments with the Career & Skills Consultants helped me a lot on preparation for my interviews and my success in being offered a position as a Management Consulting Analyst with Accenture. I would urge all students to stay in touch regularly with the Centre through their website and attend their on-campus recruitment events. In particular, I'd strongly recommend doing the Skills for Working Life programme, which also brings a unique opportunity to engage with some high profile graduate employers in a friendly atmosphere and to get their tips on applications and interviews."*

# UCD Career Development Centre (CDC)

The UCD Career Development Centre offers a wide range of services to help you achieve your career goals.

We recommend that graduate students should visit our centre, check out our website – [www.ucd.ie/careers](http://www.ucd.ie/careers), like us on Facebook ([facebook.com/ucdcareers](https://facebook.com/ucdcareers)) and follow us on Twitter (@UCDCareers). Find us on LinkedIn ([linkedin.com/in/ucdcareers](https://linkedin.com/in/ucdcareers))

## How can the UCD Career Development Centre help you?

### Services

### What is it?

#### Quick Query

20 minutes with a Career & Skills Consultant. Make an appointment online on the day – offered Monday to Friday (check [www.ucd.ie/careers](http://www.ucd.ie/careers) for times).

#### Career Consultation

Further in-depth meetings may be arranged with a Career & Skills Consultant following an initial Quick Query appointment. Limited access.

#### Career management skills workshops/seminars & 'Skills for Working Life' programme

1–2 hour sessions (ad hoc or as part of a programme) on topics such as interview skills, CV preparation, teamwork etc. Led by careers staff or visiting employers. See [www.ucd.ie/careers](http://www.ucd.ie/careers) for details.

#### Recruitment Fairs

Opportunity to meet employers offering internships and graduate vacancies. Access advice and enhance your applications.

#### Employer recruitment presentations

Students meet employers with current vacancies. Network and 'get behind' the glossy brochures and corporate websites. A chance to show employers you are serious about a career with them.

#### Online resources

On our website [www.ucd.ie/careers](http://www.ucd.ie/careers) and CareersConnect portal, you can find information and advice on careers in Ireland and abroad, details of current graduate and internship vacancies and information on upcoming events. Follow us on Facebook ([facebook.com/ucdcareers](https://facebook.com/ucdcareers)) and Twitter (@UCDCareers) to get the latest careers updates on a daily basis.

#### Psychometric tests

Numerical and verbal reasoning tests and personality questionnaires are used by many employers. Our online test 'Profiling for Success' allow you to practise and better understand your abilities.

#### CDC Resource Library

A wide range of information on different types of jobs and industries – drop in and have a look around.



# Research at UCD



# Research with global impact

As Ireland's number one university for research funding, UCD is at the forefront of global knowledge and research studies that have real societal impact. Since the highest level research is, by its nature, global in scope, UCD fosters collaboration with the 'best of the best' researchers across the world. The University has a focus on five research priorities which map to critical global research challenges; we collaborate with industry worldwide to develop knowledge and solutions within these priority areas.

## UCD Research priorities



# Graduate Research at UCD

In addition to the range of taught programmes such as Graduate Certificates, Graduate Diplomas and taught MA or MSc programmes, UCD offers a number of options for graduate students to undertake research. All graduate programmes at UCD have associated levels assigned to them in accordance with the NFQ (National Framework of Qualifications) to ensure the highest comparable international standards.

For further information please see [www.nfq.ie](http://www.nfq.ie) and [www.qualrec.ie](http://www.qualrec.ie)

## Research Degrees

A research degree involves the sustained and in-depth study of a specific topic, which is then written up as a thesis for examination. Research degrees involve students carrying out their own research and academic study under the supervision of a principal academic supervisor with the support of a masters or Doctoral studies panel. The precise focus of research is agreed between the supervisor and the student. Research can be carried out at masters or Doctoral level.

### Research Masters Degree (Level 9)

Research masters degrees provide education and training in a particular subject through original exploration and research. A research masters usually takes one to two years full-time or two to four years part-time to complete. The research culminates in a thesis which sets out the conclusions of the research undertaken. The assessment and award of the degree is on the basis of the thesis.

### UCD Structured PhD (Level 10)

The UCD structured PhD aims to enable UCD PhD students to achieve the best possible experience of graduate research and training. Making a substantial and original contribution to knowledge, normally leading to peer-reviewed publications, remains the core objective of doctoral studies. The structured PhD includes several innovative measures designed to support you in achieving your academic and professional objectives. A PhD typically takes 3 years full-time (6 years part-time) to complete. Assessment for the award of a PhD is on the basis of a thesis which is assessed at a viva-voce exam.

## How to apply for a PhD Position at UCD

### Step by step

#### Step 1 Identify a suitable supervisor in your preferred area of study

You must research your target programme and contact a potential supervisor before you begin the application process. Here are some resources to help you to identify a potential supervisor in UCD.

UCD School Webpages

[www.ucd.ie/graduatestudies/collegesandschools/](http://www.ucd.ie/graduatestudies/collegesandschools/)

UCD Research Profiles

[https://rms.ucd.ie/ufrs/w\\_valocal\\_ucd\\_search.show](https://rms.ucd.ie/ufrs/w_valocal_ucd_search.show)

UCD Strategic Research Priorities

<http://www.ucd.ie/research/whatwereresearch/strategicpriorities/>

UCD Graduate Studies Course finder

[www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies)

#### Step 2 Contact the potential supervisor via email

#### Step 3 Investigate PhD funding options

Students are advised to first check with grant-awarding bodies in your own country. You should also contact the UCD School in which you are interested to ask about current funding possibilities.

# UCD – A World of Expertise

The expert teaching delivered across UCD's six Colleges and 38 Schools is constantly informed and updated by research that is carried out on campus and in collaboration with UCD research partners across the world.

Through learning from globally recognised experts, students enhance their prospects by becoming more expert themselves. The UCD research expert profiles below will give you a flavour of the depth and breadth of research expertise at the University. We invite you to explore more about UCD teaching and research expertise online, at [www.ucd.ie/research/whatweresearch/strategicpriorities](http://www.ucd.ie/research/whatweresearch/strategicpriorities)

## Some of our scholars whose research is acclaimed throughout the world include:

### Culture, Economy & Society



**Professor Joseph McMahon**  
Professor of Commercial Law at the UCD Sutherland School of Law

Professor McMahon's primary research interests, in which he has published extensively, are in the area of agricultural trade law in both the World Trade Organization and the EU, as well as in the area of the EU's Development Cooperation Policy; with particular interest in the relationship with the African, Caribbean and Pacific countries.

### Data Science



**Professor Pádraig Cunningham**  
Professor of Knowledge and Data Engineering and Head of the UCD School of Computer Science

Professor Cunningham has been involved in research in Data Analytics for over 20 years and has published over 200 papers in the area. He is a founding director of the Insight Centre for Data Analytics ([insight-centre.org](http://insight-centre.org)) and the Centre for Applied Data Analytics ([ceadar.ie](http://ceadar.ie)) both located in UCD. Through CeADAR and Insight, the UCD School of Computer Science collaborates with over 70 companies on Data Science research.

### Health



**Professor Des Higgins**  
Professor of Bioinformatics at the UCD School of Medicine and Principal Investigator in Systems Biology Ireland and UCD Conway Institute of Biomolecular and Biomedical Research

Professor Higgins expertise is in Bioinformatics, DNA Sequencing and Gene Array Analysis. In June 2016, Professor Higgins received the Kimura Motoo award in recognition of his significant contributions to the advancement of evolutionary biology. In 2014, *Nature* placed him in the top 10 most-cited bioinformatics researchers of all time. He is the most highly cited author in Ireland, reaching over 100,000 citations.

### Energy & Environment



**Professor Mark O'Malley**  
Professor of Electrical Engineering at the UCD School of Electrical & Electronic Engineering

Professor O'Malley is recognised as a world authority on Energy Systems Integration and in particular Grid Integration of Renewable Energy. He has active research collaborations in Europe, the United States (US) and China and is Director and co-founder of the International Institute for Energy Systems Integration. He has consulted with clients across the world including: the International Energy Agency, the US Department of Energy, National Renewable Energy Laboratory, the US Federal Energy Regulatory Commission and the Energy Foundation.

### Culture, Economy & Society



**Professor Maria Baghramian**  
Professor in the UCD School of Philosophy

Professor Baghramian's main research areas are Philosophy of Language, Contemporary American Philosophy (Putnam, Davidson, Rorty and Quine), Relativism, Topics in Cognitive Science; her publications primarily focus on the topic of intractable disagreements in beliefs and values and on Neo-Pragmatism. She was the Chief Editor of the *International Journal of Philosophical Studies* (2003-2013) and is currently an editor of the journal *Contemporary Pragmatism*.

### Culture, Economy & Society



**Professor Robert Gerwarth**  
Professor of Modern History at UCD and Director of the Centre for War Studies

Professor Gerwarth has held research fellowships or visiting professorships at Harvard University, the Institute for Advanced Study in Princeton, and Sciences Po Paris. In 2013-14 he was a Humboldt Senior Research Fellow at the Herder Institute and a Braudel Fellow at the European University Institute. He is an elected Member of the Royal Irish Academy and the Young Academy of Europe, and a Fellow of the Royal Historical Society.

### Health



**Professor Patrick Wall**  
Professor of Public Health at the UCD School of Public Health, Physiotherapy and Sports Science

Professor Wall's teaching and research interests include food borne diseases, lifestyle related diseases and health damaging consumer behaviour. He was the first Chief Executive of the Irish Food Safety Authority and contributed to the setting up of this science based consumer protection agency. He was the second Chairperson of the European Food Safety Authority. He is currently on the International Advisory Panel of the Chinese National Centre for Food Safety and Risk Assessment.

### Culture, Economy & Society



**Professor Eamonn Walsh**  
PwC (PricewaterhouseCoopers) Professor of Accounting at UCD Michael Smurfit Graduate Business School

Professor Walsh has served as Dean of the UCD Michael Smurfit Graduate Business School and Chairman of the accounting department. His primary research, teaching and consulting interests are in the areas of financial analysis, equity valuation and US securities markets. A consultant to a number of leading European, US and Asian corporations, he has also completed assignments with governmental organisations, the International Monetary Fund and the United Nations.

### Agri-Food



**Associate Professor Emmeline Hill**  
Associate Professor in Equine Science at the UCD School of Agriculture and Food Science

Associate Professor Hill's globally renowned research explores genetic contributions to variation in exercise physiology parameters in the thoroughbred horse. In 2010 she published the world's first description of a gene contributing to a specific athletic trait in horses, which has been dubbed 'The Speed Gene' and in research published in *Nature* in 2012, she traced its origins. Associate Professor Hill is the co-founder and Chairman of the UCD spin-out company Equinome which was acquired by Plusvital in December 2015.



## UCD Research Funding

Students are advised to contact the UCD School in which they are interested in studying to ask about current funding possibilities. In addition please consult the following sites regarding other sources of funding.

**The Irish Research Council** manages a suite of inter-linked research schemes, funding scholars at various career stages, from postgraduate study to senior research project-based awards. For early stage researchers there are a number of funding opportunities operated by open, peer-reviewed funding competitions. These include: The Government of Ireland Post-Graduate Scholarships and Government of Ireland Post-Doctoral Fellowships, which fund research at pre- and post-doctoral levels.

The Enterprise Partnership Scheme is an innovative initiative where the Irish Research Council links with private enterprise and eligible public bodies to award co-funded postgraduate scholarships and postdoctoral fellowships to the most promising researchers in Ireland.

The Irish Research Council's Employment-Based Postgraduate Programme is an initiative providing postgraduate researchers with an employment-focused educational experience.

More specifically, this Programme offers researchers the opportunity to undertake a Master's or PhD degree while employed by a private company or public organisation based in the Republic of Ireland. Further information at [www.research.ie](http://www.research.ie)

**Science Foundation Ireland (SFI)** is the national foundation for investment in scientific- and engineering research. SFI invests in academic researchers and research teams who are likely to generate new knowledge, cutting edge technologies and competitive enterprises in the three broad areas of Biotechnology; Information & Communications Technology (ICT) and Sustainable Energy & Energy Efficient Technologies (Energy). Further details and information on how to apply may be found on the Science Foundation Ireland website [www.sfi.ie](http://www.sfi.ie)

### Health Research Board (HRB)

The HRB supports research that will create new knowledge and evidence to benefit people's health through clinical research, patient-oriented research, population health sciences research and health services research. The HRB supports researchers and health professionals through career development awards, project and programme awards, and infrastructure initiatives supporting health research. More information at [www.hrb.ie](http://www.hrb.ie)

**Universities Ireland** promotes collaboration between universities in Northern Ireland and the Republic of Ireland. They usually offer a number of bursaries to students undertaking a recognised Master's course (taught or research) in the other jurisdiction.

[www.universitiesireland.ie](http://www.universitiesireland.ie)

**Environmental Protection Agency (EPA)** has a statutory role in coordinating environmental research. EPA Research has a strong focus on policy and has been driven by national regulations and European Directives. Policy-related research plays a vital role in ensuring that European Union (EU) and national policies are implemented in the most cost-effective manner.

EPA Research consists of three key pillars:

- 1) Climate
- 2) Water
- 3) Sustainability

A series of research calls are being announced periodically over the course of the EPA Research programme. For further information please visit:

[www.epa.ie/researchandeducation/research/epafunding](http://www.epa.ie/researchandeducation/research/epafunding)

**Teagasc** is the leading organisation in the fields of agriculture and food research in Ireland, undertaking innovative research in

- Animal and Grassland Research and Innovation
- Crops, Environment and Land Use
- Food
- Rural Economy and Development

Their annual research portfolio comprises some 300 research projects, carried out by 500 scientific and technical staff in our research centres throughout Ireland.

[www.teagasc.ie/research](http://www.teagasc.ie/research)

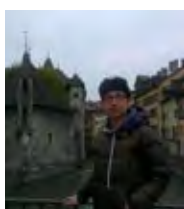
**Irish Cancer Society** research can span from the laboratory, to clinical research, to clinical trials, to physical activity research for survivors.

For further information please visit: [www.cancer.ie/research](http://www.cancer.ie/research)

For more information on funding and details about how to apply to these schemes jointly with UCD, we would advise that you talk to your potential supervisor in UCD.

### UCD Funding Resources

Funding and Scholarship Opportunities UCD Graduate Studies  
[www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies)



**Fei Hong Wong**  
Macau

MA Economics

*"I chose UCD because of the university ranking and because the tuition fees are reasonable."*



**Matt O'Hanlon**  
Gaelic Football & Hurling

MSc Marketing Practice

*Matt is a UCD Ad Astra Sports Scholar and a recipient of a UCD Graduate Sports Scholarship. "I would encourage anybody who wants to complete a Masters and compete to a high level in sport to apply for the Graduate Sports scholarship."*

## Fees, Funding and Scholarships

Students are liable to pay fees, including the Student Centre Levy to the University. In addition, students must budget for their own maintenance (including accommodation).

University fees are published in advance of the academic year, are fixed for each year and are subject to an annual increase. For specific information on the fees for your chosen course of study, and the dates by which fees have to be paid please visit the fees website.

For further information please visit [www.ucd.ie/fees](http://www.ucd.ie/fees)

### Student Centre Levy

All students are liable for payment of the Student Centre Levy. As a guideline, the levy was €247 for 2016/17.

### Student Grants

#### Student Universal Support Ireland (SUSI)

The Irish Government through the Higher Education Authority offers means-tested grants for Irish students or students satisfying minimum Irish residency requirements.

An online grant applications system has been introduced in Ireland. All applications will be made online to a single awarding authority, Student Universal Support Ireland (SUSI).

Please visit [www.studentfinance.ie](http://www.studentfinance.ie) for further information or to make an application.

[www.ucd.ie/fees](http://www.ucd.ie/fees) (UCD Fees)

[www.studentfinance.ie](http://www.studentfinance.ie) (Student Finance Website)

[www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies) (Current Research Scholarships)

### University Scholarships and Awards

Student excellence and achievement are recognised in UCD, through a variety of scholarships and awards. The University supports a range of scholarships, at graduate level, and awards which celebrate the diverse talents of our students.

For more information of Scholarships and Awards please visit:

[www.ucd.ie/scholarships](http://www.ucd.ie/scholarships) and

[www.ucd.ie/sport/newsfixtures/nf/newsfeed/name,208625,en.html](http://www.ucd.ie/sport/newsfixtures/nf/newsfeed/name,208625,en.html)



**Kavita Walia**  
Canada

MSc Food Safety and  
Risk Analysis

*"Being an international student, the cost of the programme was also an important factor as it was more attractive than similar programmes offered in other parts of Europe."*

## Cost of Living

The cost of living in Dublin depends on each student's individual needs. You must have sufficient funding in place before enrolling on your course. It is important to consider the real costs involved, as underestimating this figure could have a negative effect on your studies.

Please use the figures below as a rough estimate of a monthly/nine-month student budget.

Expense	Monthly (€)	Annual Cost (€) Nine months (academic year)
Rent (Campus Accommodation)	582.90 – 814.10	5,465 – 7,673
Utilities (Electricity/Gas/Bins/Internet)	44	396
Food	250	2,250
Travel (Monthly Short Hop ticket)	119	1,071
Books & Materials	71	639
Clothes/Medical	45	405
Mobile	20	180
Social Life/Miscellaneous	130	1,170
<b>Total</b>	<b>€1,261 – €1,493</b>	<b>€11,537 – €13,438</b>

### International Students

The estimates above do not include the cost of flights or insurance. You should also budget for any initial costs you will likely incur (e.g. you might need to budget for short-term accommodation upon arrival in Dublin). Also please note that all non-Irish nationals, who are not citizens of the EU/EEA or Switzerland, must register in person with the Garda National Immigration Bureau (GNIB) after arrival and after completion of registration at UCD. The GNIB will issue you with a residence permit/GNIB card. The fee for this card is €300 (correct as of July 2016) and should be included in your budgeting calculations.



# Applying to UCD

The normal requirement for entry to a taught Masters Degree programme is a second class honours degree in a relevant subject. However intending applicants should check the individual requirements, since some degrees may require a higher standard for entry. For applicants who do not have the required minimal entry standard, a year-long qualifying course may be available in some cases.

For Masters by research degrees, course work and examinations may also be specified by the College at entry; normally these have to be satisfactorily completed in the first year of a Masters degree programme.

To be eligible to enter one of UCD's PhD programmes, a candidate must have reached a high honours standard in their primary degree. In a significant number of cases, a Masters degree may also be required. Specific information on entry requirements can be found on the relevant UCD School Website.

If English is not your first language, you may need an IELTS score of (normally) 6.5 (with no component below 6.0) or equivalent to be considered for most programmes.

The normal requirement for entry to a taught Masters degree programme is a second class honours degree in a relevant subject.

## Step-by-Step guide to joining UCD:

### 1 Getting started

- Choose your preferred course(s) using the course finder facility at [www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies)
- Check the specific course entry requirements, which can be found on individual course listing pages
- Fill out the application form at [www.ucd.ie/apply](http://www.ucd.ie/apply)
- Press Submit, you will then receive a confirmation e-mail which will include a list of required supporting documents in order for your application to be processed

### 2 Checking your application status

- You can check the progress of your application and whether your documents have been received by logging in to your application account and viewing your application

### 3 Accepting your offer

- Log in to your application account and accept your offer

### 4 On accepting your offer of a place in UCD commence next steps:

- Apply for a Visa (if applicable)
- Book Campus Accommodation
- Arrive at UCD
- Participate in Orientation and Registration
- Start Classes



## English Language Proficiency

### Language Proficiency

Teaching in Irish Universities is normally through the medium of English. All applicants are therefore required to demonstrate a high level of competence in the English language. Applicants must provide evidence of this through a recognised English test, as outlined below.

- Your English language certificate must be no more than two years old at the beginning of your degree course.
- Other evidence of proficiency in English may be accepted. For further advice please contact UCD International Admissions: [internationaladmissions@ucd.ie](mailto:internationaladmissions@ucd.ie) to check if we will accept it. When enquiring, please inform us of the following: the name, level and date of the qualification, the country in which it was taken, and the scores you obtained. If possible, please send a scanned copy of the certificate and transcripts (if available) showing as much as possible of the information above.

UCD normally requires an overall Academic IELTS score of 6.5 with a minimum of 6.0 in each band. A list of recognised English language examinations is available at [www.ucd.ie/international/study-at-ucd-global/ucdenglishlanguage requirements](http://www.ucd.ie/international/study-at-ucd-global/ucdenglishlanguage requirements).

**Note:** Some UCD Graduate Programmes require a higher standard of English language proficiency; please check the individual requirements for further information.

### UCD Applied Language Centre

#### English for Academic Purposes Programmes

The UCD Applied Language Centre provides a range of programmes for students whose first language is not English and who wish to improve their English before commencing an undergraduate or graduate programme at UCD. Applications are welcome from students who require an intensive period of English language preparation to meet university entry requirements and to provide students with a grounding in academic procedures and autonomous study.

**Note:** It is the responsibility of the applicant to check whether or not these programmes are deemed acceptable by the Schools to which they have applied.

For more information please see <http://preessional.ucd.ie>





## Student Visas and Immigration



**Clarissa de Sousa  
Oliveira**  
Brazil

MA Applied Languages

*"I immediately  
fell in love with  
the University's  
warm international  
community  
atmosphere."*

### Student visas and immigration

Some but not all non-EU/EEA students require an entry visa for Ireland. You can check on the Irish Naturalisation and Immigration Service website ([www.inis.gov.ie](http://www.inis.gov.ie)) for the list of countries that do not require a visa. If your country is not on the list, then you require a visa.

For example – US, Canadian, Brazilian and Malaysian students do not require a visa but Indian, Chinese and Russian students do.

If you are applying from China, India, Nigeria, Russia or the United Arab Emirates, please also check the Irish Embassy website for details of further documentation which may be required.

**Note:** Ireland is not a member of the Schengen Agreement. You will, therefore, still have to apply for an Irish visa even if you have a visa for a Schengen country.

### Medical and travel insurance

**EU Nationals:** Students from EU Member States in possession of the European Health Insurance Card (EHIC) are entitled to public health services in Ireland. The EHIC card is available from the health authorities in your home country. For further information and information on your entitlements to healthcare while in Ireland, please see the European Health Insurance Card website ([www.ehic.ie](http://www.ehic.ie)).

**Non-EU Nationals:** Because of the regulations of the Garda National Immigration Bureau (GNIB), non-EU students must obtain private health insurance. UCD does not arrange health insurance for students. You can purchase insurance in your home country, however you will need to ensure that it is valid in Ireland and in any other countries that you plan to travel to.



## Term dates

Most programmes start at the beginning of the academic year early September. The start date for your programme will be stated on your offer letter. Research programmes can start at the beginning of September, January or May. For details on term, revision and exam dates please see the academic calendar for 2017/2018 at [www.ucd.ie/students/keydates.htm](http://www.ucd.ie/students/keydates.htm)



2017

1

**Orientation**  
5 September – 9 September

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2

**Semester One**  
12 September – 22 December

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3

**Semester Two**  
23 January – 19 May

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4

**Summer Term**  
22 May – 3 September



**University College Dublin**

Ireland's Global University






For a full listing of all graduate programmes at UCD, please see: [www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies)


For further information please contact us. We will be happy to deal with your enquiry or direct you to the best person to answer your questions.

**University College Dublin**

 [www.ucd.ie/graduatestudies](http://www.ucd.ie/graduatestudies)

 +353 (0)1 716 4043

 [Facebook.com/graduatestudiesucd](https://www.facebook.com/graduatestudiesucd)

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