UCD 2017

UNDERGRADUATE PROSPECTUS

University College Dublin

IRELAND'S GLOBAL UNIVERSITY

Welcome from the President

At University College Dublin, our students are at the core of our University. We strive to give students a holistic education, instilling in them a desire to learn and create, to question and reason, to innovate and ultimately, to contribute to society at all levels, nationally and globally. The capabilities of our graduates underpin our reputation.

The UCD educational environment stimulates our students through flexible teaching and learning practices and through a curriculum that is informed by our researchers. Our aim is to give our students the learning and skills to contribute to society, whatever career path they take.

Through *UCD Horizons*, our students take elective modules as part of their undergraduate degrees. Taking modules from within their degree area enables students to delve deeper into their favourite subjects. Choosing modules from outside their degree area broadens their knowledge and gives them the opportunity to add to their skills. All of our degrees focus on learning outcomes so that students know they are getting the very best quality education.

UCD is Ireland's global university - the 'University of First-Choice' for Irish students and the 'University of Destination' for the largest number of international students coming to Ireland. There are over 6,000 international students here, making this a very cosmopolitan campus. The opportunities to study abroad at some of the world's top universities give our students an international education that prepares them to take their place in the global society.

As you consider your future, I hope that this prospectus will give you a flavour of the breadth of opportunity that awaits you here. I invite you to find out as much as you can about the subjects that may interest you. You can start with this prospectus, but you will learn so much more from the website, from visiting the campus and from talking to family and friends who came here ahead of you.

Your university experience can be a journey of academic and personal discovery. So, learn as much as you can about the UCD environment; the societies and sports, the events, the facilities and great campus. Getting involved in university life, combined with your studies, will equip you with the knowledge and skills you will need for your journey in life.

Professor Andrew Deeks, President, Uachtarán

Is iad na mic léinn croílár na hOllscoile anseo sa Choláiste Ollscoile Baile Átha Cliath. Déanaimid ár seacht ndícheall oideachas iomlánaíoch a thabhairt do na mic léinn, ag spreagadh iontu fonn láidir a bheith ag foghlaim is ag cruthú, ag ceistiú agus ag smaoineamh, dul i mbun nuálaíochta agus, ar deireadh, cur leis an tsochaí ag gach leibhéal, sa tír seo agus ar fud an domhain. Is iad inniúlachtaí ár gcéimithe atá mar bhonn taca don chlú agus don cháil atá orainn.

Tugann timpealleacht oideachais UCD spreagadh dár mic léinn trí chleachtais solúbtha teagaisc agus foghlama agus trí churaclam arb iad ár dtaighdeoirí is bonn taca dó. An aidhm atá againn ná an léann agus na scileanna a thabhairt do na mic léinn rannchuidiú leis an tsochaí, beag beann ar an ngairm bheatha a roghnaíonn siad.

Trí UCD Horizons, tugann na mic léinn faoi mhodúil roghnacha mar chuid den bhunchéim. Ligeann modúil a roghnú taobh istigh de réimse na céime do na mic léinn cíoradh níos mine a dhéanamh ar na réimsí is spéisiúla dóibh. Ligeann modúil taobh amuigh d'ábhar na céime a roghnú dóibh eolas a chur ar réimse níos fairsinge agus cur lena gcuid scileanna. Bíonn ár gcuid céimeanna ar fad dírithe ar thorthaí foghlama ionas go dtuigeann na mic léinn go bhfuil oideachas den chéad scoth á chur orthu.

Is é UCD ollscoil domhanda na hÉireann, an 'Ollscoil Chéad Rogha' do mhic léinn na hÉireann agus an 'Ollscoil Cheann Scríbe' don líon is mó mac léinn idirnáisiúnta a thagann go hÉirinn. Tá níos mó ná 6,000 mac léinn iasachta anseo, rud a fhágann blas na hiléagsúlachta ar an gcampas. Fágann an deis a bhíonn ag mic léinn na hÉireann dul thar lear ag staidéar i gcuid d'ollscoileanna móra an domhain, oideachas idirnáisiúnta orthu agus iad ullamh le páirt a ghlacadh i bpobal domhanda.

Tá súil agam go dtugann an réamheolaire seo blas duit ar na deiseanna forleathana atá le tapú anseo agat agus tú ag smaoineamh ar a bhfuil romhat sa saol. Molaim duit oiread agus is féidir a fháil amach faoi na hábhair a mbeadh suim agat iontu. Tá buneolas le fáil sa réamheolaire seo ach tá cuid mhór eolais eile le fáil ar an láithreán gréasáin agus ó labhairt le daoine a tháinig ag an gcoláiste roimhe seo. Bíonn an fhoghlaim acadúil agus an fhoghlaim phearsanta i gceist le do chuid ollscolaíochta. Cuir eolas chomh mór agus is féidir leat ar an saol i UCD; ar na cumainn, ar chúrsaí spóirt, ar na himeachtaí, na háiseanna agus ar an gcampas breá. Nuair a bhítear páirteach i saol na hollscoile, chomh maith leis an obair léinn, gnóthaítear eolas agus scileanna a sheasann le duine ar feadh a shaoil.

Contents

The UCD Experience

Why UCD? 04
UCD Horizons 06
Open Days & Visit UCD 08
Global Citizenship 10
UCD International 12
Scholarships & Awards 14
Fees & Funding 17
Supporting Student Diversity 18
Orientation & Accommodation 20
Career Development Centre 22
Learning Support Services 24
Student Facilities & Supports 26
Student Centre and Sport & Fitness 28
Clubs & Societies 30

Applying to UCD

Admissions 183
UCD CAO Information 192

Campus Map 196
Transport Links 198
Index 200
Useful Contacts 202
Important Dates for Applicants 205

Arts, Humanities & Social Sciences 32

Archaeology 36
Art History 37
Celtic Civilization 38
Classics (Greek & Roman Civilization, Latin, Greek) 39
Economics 40
English 42
Drama Studies 43
English with Film 44
French 45
German 46
Geography 47
History 48
Information & Social Computing 49
International Languages 50
Irish 51
Irish Folklore 52
Irish Studies 53
Italian 54
Linguistics 55
Mathematics 56
Music 57
Philosophy 58
Politics & International Relations 59
Psychology 60
Sociology 62
Spanish 63
Statistics 64

Social Science 65

Social Policy 67

Law 68

Law (BCL) 71
Law with French Law 72
BCL/Maîtrise – Law Dual Degree 73
Law & Chinese Studies 74
Law with Economics 75
Law with History 76
Law with Irish 77
Law with Philosophy 78
Law with Politics 79
Law with Social Justice 80
Business & Law 81

Business 82

Commerce 84
Commerce – International 86
Business Analytics 87
Economics & Finance 88
Business Studies 89
Business & Law 81
Actuarial & Financial Studies 122

The information provided in this prospectus is correct at the time of going to press, but the degree programmes are subject to continuing development and the University reserves the right to make changes at any time, before or after a student's admission. As much notice as possible will be given of such changes, but interested applicants should check **www.ucd.ie** regularly. All enquiries in relation to application and admission should be addressed to:

UCD Student Desk, Tierney Building, UCD, Belfield, Dublin 4, Ireland.

Contact: **www.ucd.ie/studentdesk/contact**
Tel: **+353 1 716 1555** Web: **www.ucd.ie/myucd**

Science 90

Biological, Biomedical & Biomolecular Sciences

Biochemistry & Molecular Biology 95
Cell & Molecular Biology 96
Environmental Biology 97
Genetics 98
Microbiology 99
Neuroscience 100
Pharmacology 101
Physiology 102
Plant Biology 103
Zoology 104
Biology & Mathematics Education 105

Chemistry & Chemical Sciences

Chemistry 106
Chemistry with Biophysical Chemistry 107
Chemistry with Environmental & Sustainable Chemistry 108
Medicinal Chemistry & Chemical Biology 109
Chemistry & Mathematics Education 110

Mathematical, Physical & Geological Sciences

Applied & Computational Mathematics 111
Financial Mathematics 112
Mathematics 113
Mathematical Science 114
Statistics 115
Physics 116
Physics with Astronomy & Space Science 117
Theoretical Physics 118
Geology 119
Applied Mathematics & Mathematics Education 120
Physics & Mathematics Education 121

Computer Science & Actuarial and Financial Studies

Actuarial & Financial Studies 122
Computer Science 123
Computer Science with Data Science 124

Medicine 125

Medicine 126
Medicine (Graduate Entry) 128
Biomedical, Health & Life Sciences 129

Radiography 130

Radiography 131

Nursing & Midwifery 133

Nursing (General) 135
Nursing (Children's & General) 136
Nursing (Mental Health) 137
Midwifery 138

Physiotherapy 139

Physiotherapy 141

Sport & Performance 142

Health & Performance Science 144
Sport & Exercise Management 145

Architecture 146

Architecture 149
Landscape Architecture 150
Planning, Geography & Environment 151
Structural Engineering with Architecture 162

Engineering 152

Engineering 154
Biomedical Engineering 156
Chemical & Bioprocess Engineering 157
Civil Engineering 158
Electrical Engineering 159
Electronic Engineering 159
Energy Systems Engineering 160
Mechanical Engineering 161
Structural Engineering with Architecture 162

Veterinary Medicine 163

Veterinary Medicine 164
Veterinary Medicine (Graduate Entry) 166
Veterinary Nursing 167

Agriculture, Food & Nutrition 168

Agricultural Science 170
Animal & Crop Production 172
Animal Science 173
Animal Science – Equine 174
Agricultural Systems Technology 175
Food & Agribusiness Management 176
Dairy Business 177
Agri-Environmental Sciences 178
Food Science 179
Human Nutrition 180
Forestry 181
Horticulture, Landscape & Sportsturf Management 182

Why UCD?

- **Top 1% in World Rankings (THE & QS.)**
- **First choice for Irish School Leavers.**
- **First choice for International Students.**
- **The only university with curriculum flexibility through *UCD Horizons*.**

World-Class Education

UCD is at the forefront of global knowledge with a curriculum constantly informed by the latest research and driven by lecturers at the cutting edge of their disciplines. The curriculum can be adapted to your personal preferences through the unique flexibility of *UCD Horizons*.

Excellent Job Prospects

87% of recent UCD honours degree graduates entered employment or graduate study within 9 months.

Study Abroad Opportunities

UCD has over 400 exchange partners worldwide and offers students opportunities to study with 29 partner universities throughout Europe.

Sports Facilities, Societies, Clubs

UCD offers a choice of over 150 clubs and societies, a cinema, student residences, unrivalled sports facilities and a 50 metre swimming pool.

One of Europe's most vibrant Capital Cities

Located just 5km from Dublin City, UCD is a leafy, state-of-the-art campus with woodland walks and several attractive lakes.

UCD Horizons

The breadth of the UCD curriculum, along with the flexibility offered through *UCD Horizons*, gives you opportunities to broaden your horizons in ways that other Irish universities can't match.

UCD's educational philosophy is inspired by the university's founder and author of *The Idea of a University*, John Henry Newman. Today, UCD promotes university life as a journey of both academic and personal discovery, a strong example of this philosophy being the innovative *UCD Horizons* undergraduate curriculum.

What is *UCD Horizons*?

All UCD students are expected to become experts in their degree subjects, but our approach to education gives you the opportunity to look beyond your specific degree, if you wish, to pursue other subjects that interest you.

We call this flexible structure *UCD HORIZONS* – it means that you can adapt the curriculum to your personal preferences. The university will guide you through your choices, helping to set you on your own learning path.

How does *UCD Horizons* work?

In addition to the core or option modules associated with each year of your degree, *UCD HORIZONS* allows you to choose "elective" modules from across the full range of undergraduate subjects.*

You can choose to take additional modules from within your main degree: we call this ***deepening your learning***. Alternatively, you can take modules that are outside of your degree, we call this ***broadening your horizons***.

Among the wide range of choices available, you will see exciting modules that look at current and future issues of national and global importance. Some of these modules will combine teaching and learning across more than one subject, in areas where UCD is leading on international research.

*The availability of modules is dependent on factors such as your timetable and the volume of students seeking places (demand).

UCD Horizons

Sample Structure for One Year of a Degree

10 Core & Option Modules in your degree subject(s)

50 Credits

+

2 Elective Modules* from within or outside your degree subject(s)

*Some degrees offer 1 elective module in First Year, plus 1 module that is specifically designed to support students' transition to university-level study in their degree.

10 Credits

=

Year Total 12 Modules

60 Credits

*"One of the persuading factors to go to UCD for me was **UCD Horizons**. The first elective I chose was Introduction to Forensic Anthropology! Well it wasn't actually as bizarre for me as it sounds; I was at the time really into the show Bones and even considered studying anthropology at college level. We got to look at the evolution of hominids (humans, and their relatives) as well as lab work where we got hands-on experience of identifying different bones."*

Ciara Sweeney
Grad Entry Vet Med

*"**UCD Horizons** is the main reason I came to UCD. It basically gives you an opportunity to do anything from around college, at least one module every semester which is good; it gives you an opportunity to keep your interest. I did Astronomy last year as part of that and I absolutely loved it. I chose UCD basically because it had the course I wanted and they have really good opportunities."*

Anu Joy
Chemical & Bioprocess Engineering student

Open Days & Visit UCD

Choosing your university is a big decision. To help you to find out more about UCD, we have listed a few ways in which you can learn more about us, from Open Days right through to Summer School.

UCD OPEN DAY

SATURDAY 5th NOVEMBER 2016

10am - 4pm

At the UCD Open Day, you can meet staff and current students and find out more at...

- **Course Talks**
- **Mini-seminars**
- **Campus Tours**
- **Information Stands**

Open to 6th years and their parents, mature students, teachers and guidance counsellors; this event will take place on Saturday 5th November 2016, from 10.00am to 4.00pm.

www.ucd.ie/openday

facebook.com/MyUCD

@askucd #ucdopenday

instagram@myucd #myucd

Create your myUCD account so you can receive regular updates on upcoming UCD events and news.

www.myucd.ie/visiting-ucd

facebook.com/MyUCD

@askucd

instagram@myucd #myucd

Subject Events

Throughout the year, a number of subject-specific events are held on campus. Examples of these are the Science Careers & Information Evening and the Experience Engineering programme.

→ www.myucd.ie/visiting-ucd

UCD CAO Information Evening 2017

To assist you with your CAO application, UCD will host a CAO Information Evening on Tuesday 10th January 2017, from 5.00pm to 7.00pm. This event is open to 6th years and their parents, mature students, teachers and guidance counsellors.

→ www.myucd.ie/visiting-ucd

Visiting UCD

School Groups

From October to April each year we welcome secondary school groups to campus. We can accommodate up to 150 secondary school students during visits.

→ campustours@ucd.ie
→ +353 1 716 1507

Individual & Small Group Tours

These visits usually take place three times a week and each day during school mid-term breaks. They last approximately 60 minutes and can be booked directly by logging on to **www.ucd.ie/myucd/campustours**. Family and/or friends are also welcome to attend.

→ www.myucd.ie/visiting-ucd

Schools Liaison

School Talks

From September to April each year our School Liaison Staff are available to visit schools. To arrange for a speaker to visit your school please contact:

→ schoolsliaison@ucd.ie
→ +353 1 716 1507

Careers Fairs

UCD is represented at all of the major nationwide IGC career and regional fairs. To arrange for a representative to attend a careers fair, please contact:

→ schoolsliaison@ucd.ie
→ +353 1 716 1507

Summer School 6 - 9 June 2017

Seize the opportunity to experience university life with UCD's Summer School for secondary school students (entering 6th Year, or Year 13 A-Level, in September 2017).

UCD Summer School is aimed at students nearing the end of their second-level education, who know what discipline they want to pursue at university but don't yet know what path to take through their degree.

→ www.ucd.ie/my ucd/summerschool

UCD Student Ambassadors; Rebecca Hart, Roy Harford, Erica Miller-Bonthorne and Eoin Kilory-Talbot welcome visiting students.

Global Citizenship

UCD encourages all of our undergraduate students to study abroad. In an increasingly complex global age, UCD provides an international context for your studies, giving you opportunities to experience the wider world.

Earn your global citizenship and take up one of a number of exciting opportunities - give your degree an international edge by studying abroad, volunteering overseas or participating in international summer schools or on-campus international activities!

UCD International Asian Gaelic Games.

400

Exchange Partners Worldwide

30

Countries throughout Europe

Study Abroad Opportunities

UCD has over 400 exchange partners worldwide for students to choose from, whether you want to increase your fluency in a second language or study through English.

UCD students can receive Erasmus grant funding for exchanges with partner universities in 29 countries throughout Europe.

Students can study with one of our Universitas 21 partners, such as the University of Connecticut, University of British Columbia, University of Auckland and University of Melbourne.

Alternatively, students can choose other exchanges with universities in Canada, Hong Kong, Japan, New Zealand, Singapore and the USA.

Jasmine Hett UCD exchange student at the University of Western Australia in Perth in 2015/16.

"My Erasmus year in France benefited me in every way. My French improved and I made so many new friends from all over the world. I got the opportunity to experience new cultures and to travel to many different cities, such as Paris, Brussels, Amsterdam, Cologne and Budapest. Now I think about the future, I can easily picture myself moving abroad again!'

Doireann Maher French and History, (BA International)
Université Charles-de-Gaulle Lille 3

Why Go On Exchange?

Adventure and Travel
Travel extensively and immerse yourself in a new culture.

Quality of Learning
Continue to study at some of the best universities worldwide.

Your Career
Improve your career prospects. A period of study abroad at a top university will set your CV apart.

Communications
Improve your language skills.

Friendship
Meet new friends from around the world.

New Learning Environment
Experience a new learning environment and teaching methods.

Have Fun!
Most of our students say they had the best time of their lives on their semester/ year abroad.

International Volunteering Opportunities

Established in 2003, UCD Volunteers Overseas (UCDVO) is a registered charity which provides students, staff and graduates with the opportunity to volunteer for the benefit of disadvantaged communities overseas, in response to needs explicitly identified by those communities. UCDVO's vision is for UCD students to graduate with an understanding of the challenges facing humanity worldwide and the determination and self-belief to tackle the issues underlying poverty and inequality in the world.

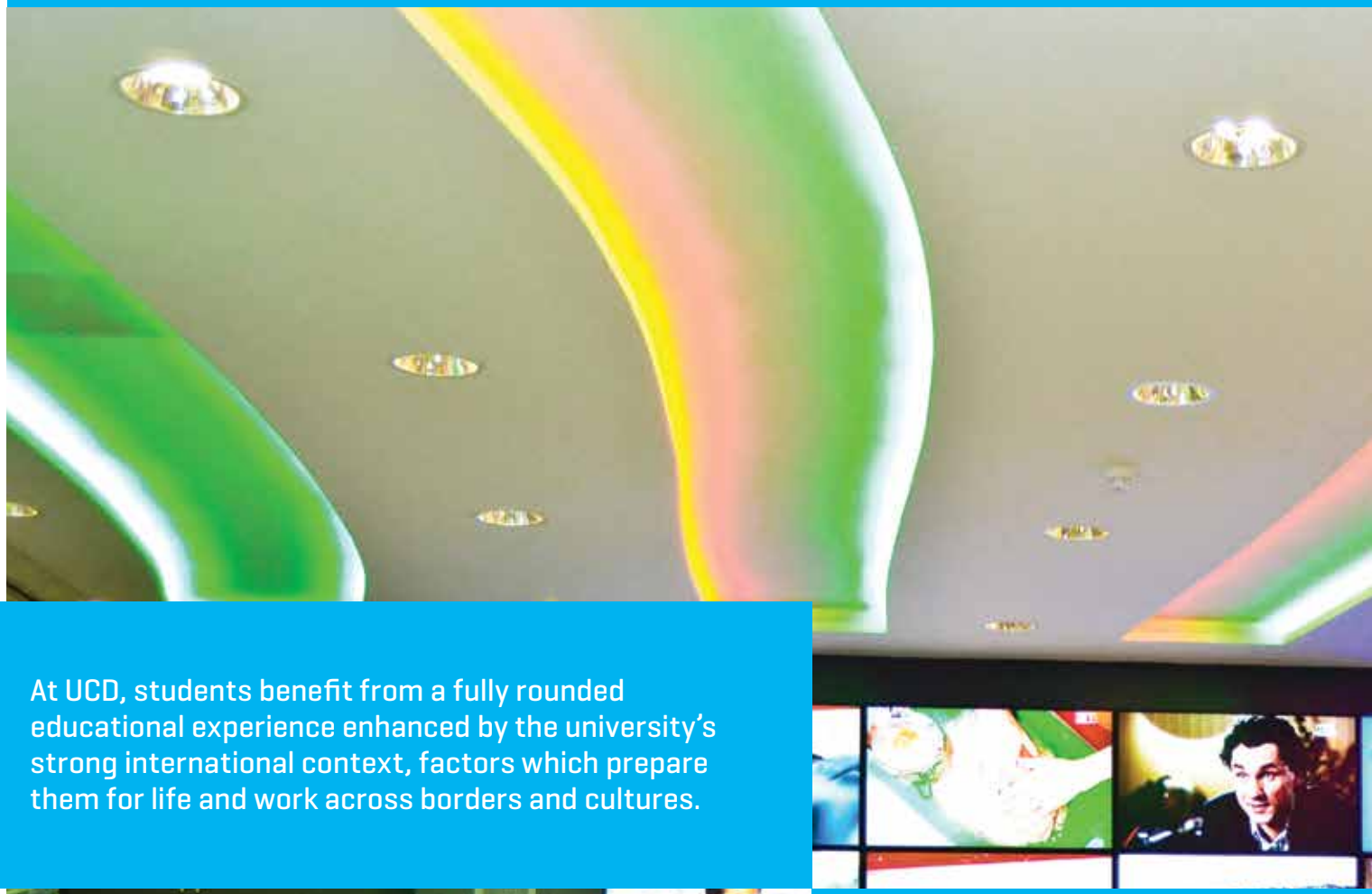
UCDVO's Volunteer Programme is a one-year commitment, which includes a four-week placement overseas, and a structured series of development education workshops, training and debriefing. Current project locations include India, Haiti, Nicaragua, Tanzania and Uganda. Applications open in September each year.

"It was a pleasure to get to know and work with the other students. We each got involved in different research projects and also helped renovate the playground of the rehabilitation centre. One of the highlights of the trip for me was getting to know the staff in the hospital. By the end of the four weeks we all had made so many local friends. It was really interesting to acknowledge the similarities and differences between Kisiizi hospital and our hospitals at home'

Aine Durkin UCD student volunteered in Kisiizi Hospital, Uganda 2015

www.ucd.ie/**international**
www.facebook.com/**UCDExchanges**

www.ucdvo.org
facebook.com/**ucdvo**
@UCDVO



At UCD, students benefit from a fully rounded educational experience enhanced by the university's strong international context, factors which prepare them for life and work across borders and cultures.

Students at the
UCD Global Lounge

UCD is Ireland's most international university and the most popular destination for Irish school leavers. Ranked in the top 1% of universities worldwide, UCD is also the largest and most diverse university in Ireland, with more than 6,000 international students from 127 countries. This international context enriches the university experience for UCD students, equipping them with the tools to contribute proactively in the global community.

KEY FACT

Ireland is ranked in the 10 best educated countries in the world

MOST GLOBALISED

Ireland is the most globalised nation in the western world and the world's third most globalised nation (Ernst & Young)

Ireland's Global University

UCD's popularity as a study destination has been built upon the strong foundations of academic excellence coupled with a world-class campus. For this reason, every year, more school leavers in Ireland opt to attend UCD than any other university.

UCD's reputation for excellence is also the deciding factor for many students from the European Union and beyond. These students are also attracted by the vibrancy of Dublin and the appeal of Ireland as a place to study. While Lonely Planet ranked Ireland as "**World's Friendliest Country**" the country and its capital city can also boast the following:

- Ranked in the 10 best educated countries in the world – 24/7 Wall St/OECD Education at a Glance report.
- Dublin is Europe's "tech capital" – home to 9 of the 10 largest global ICT companies.
- Dublin is one of Europe's most vibrant, lively cities with the youngest population in Europe.
- Dublin is a designated UNESCO City of Literature with four Nobel Prizes for literature (George Bernard Shaw, W.B. Yeats, Seamus Heaney and Samuel Beckett).
- Dublin is one of Europe's oldest cities with a historic centre of classical buildings, museums and art galleries that can be easily explored on foot.

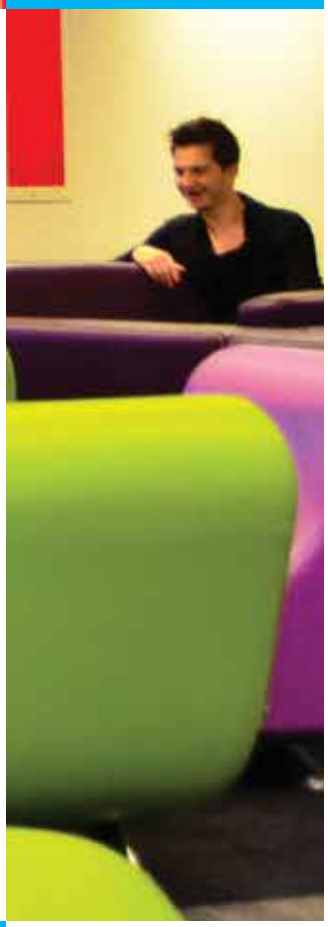
UCD Global Lounge

All students are encouraged to spend time in the UCD Global Lounge, a dedicated student space and platform for cultural exchange.

A dynamic, fun and energetic place to meet and hang out between and after classes, the UCD Global Lounge is open until 9pm Monday to Sunday in term-time. As well as offering games for all to engage in, international students can keep up to date with news from home, with over 350 international TV channels available to view.

The UCD Global Lounge also hosts a wide variety of international information sessions and events throughout the year, making it one of the first places that all students should explore when they first come to campus.

→ **www.ucd.ie/international/current-students/global-lounge/**



www.ucd.ie/international

facebook.com/**ucdinternational**

@UCDInternat

youtube.com/**UCDGlobal**

Scholarships & Awards

UCD Ad Astra Academy

The Ad Astra Academy recognises and nurtures exceptional students in academia, sports and the performing arts by offering them unique supports and opportunities. The students benefit from a scholarship, mentoring and a range of tailored supports.

UCD Ad Astra Academic Scholar, Nhan Thanh Nguyen, Economics & Statistics

UCD Ad Astra Elite Athlete, Aisling Conlan, MA in Translational Research.

UCD Ad Astra Performing Arts Scholars, Caoimhe Finn, Conor O' Rourke and Olivia Reeney.

UCD Ad Astra Academic Scholars

The UCD Ad Astra Academic programme is looking for students who have a proven record of academic excellence and a desire to continue to achieve at the highest level. Unsuccessful applicants may elect to have their application automatically considered for a sports scholarship

Eligibility – prospective students

Ad Astra Academic scholarships are awarded on the basis of the academic criteria of 6 higher A1s in the first sitting of the Leaving Cert (or A Level equivalent), as well as an online application. Applications will open on February 1 2017 and close on July 1 2017. Following the release of CAO offers, shortlisted candidates will be invited for interview.

Eligibility – while studying at UCD

Each year up to 17 academic scholarships are awarded to high achieving students at the end of first year.

Benefits

- A €3,000 scholarship allowance which may be used to offset fees or accommodation, or used as a bursary.
- Preferential access to allocated on-campus accommodation, costs for which may be offset with the scholarship allowance.
- The support of a dedicated academic mentor.
- A programme of workshops and seminars by academics, distinguished alumni and guest speakers to develop the scholars' academic and personal potential.
- Networking and development opportunities

www.ucd.ie/adastraacademy/academic/

www.ucd.ie/adastraacademy

adastraacademy@ucd.ie

facebook/UCDAdAstraAcademy

UCD Ad Astra Elite Athletes

The UCD Ad Astra Elite Athlete programme supports students who are competing and succeeding at the highest sporting levels.

Eligibility – prospective students

Please refer to the website for minimum standards of entry in relevant sports. Applications must be made online no later than January 31 2017. In addition to this, students should complete their CAO forms as usual by February 1 2017 for undergraduate admission. Graduate applicants should apply directly to UCD in the normal way.

Eligibility – while studying at UCD

Current students can also apply to the Elite Athlete scholarship programme by the closing date above.

Benefits

- A €3,000 scholarship allowance which may be used to offset fees or accommodation, or used as a bursary.
- Preferential access to allocated on-campus accommodation, costs for which may be offset with the scholarship allowance.
- The support of a dedicated academic mentor.
- Access to expert training, coaching and facilities.
- Sports science conditioning and monitoring.

www.ucd.ie/adastraacademy/eliteathlete/

Key Fact

8 UCD Ad Astra Elite Athletes will be participating in the 2016 Rio de Janeiro Olympic Games.

UCD Ad Astra Performing Arts Scholars

The UCD Ad Astra Performing Arts programme offers opportunities to students who excel in drama or classical music/Irish-traditional music and wish to develop their performance talents while pursuing a degree in UCD.

Eligibility – prospective students

Scholarships are offered to students with a proven record of dedication to the development of their performance work.

Applications must be made online no later than January 31 2017. In addition to this, students should complete their CAO forms as usual by February 1 2017 for undergraduate admission. Graduate applicants should apply directly to UCD in the normal way.

Eligibility – while studying at UCD

Current students can also apply to the Performing Arts scholarship programme, by the closing date above.

Benefits

- A €3,000 scholarship allowance which may be used to offset fees or accommodation, used as a bursary to support instrumental/vocal/theatrical tuition.
- Preferential access to allocated on-campus accommodation, costs for which may be offset with the scholarship allowance.
- The support of a dedicated academic mentor.
- The opportunity to work with experienced professionals in seminar and workshop settings.
- The opportunity to perform with the Ad Astra Drama and Music ensembles.

www.ucd.ie/adastraacademy/performingarts/

Terms and conditions apply. The value, number and benefits of scholarships may vary from year to year.

University Scholarships & Awards

Student excellence and achievement are recognised in UCD, through a wide variety of scholarships and awards. The University supports a range of scholarships, at undergraduate and postgraduate level, and awards, which celebrate the diverse talents of our students. Many of these awards are highly regarded by employers and industry.

UCD Scholar, Michaela Dunne with UCD President, Professor Andrew Deeks.

Ad Astra Elite Athletes, Mark English, Ciara Mageean and Ciara Everard who will represent Ireland at the 2016 Olympic Games in Rio de Janeiro receiving their accolades from Professor Andrew Deeks at the UCD Sports Awards 2016.

"I was fortunate enough to be awarded a University Scholarship in Law, in 2008 and 2009. In addition to being a great encouragement for my studies, the scholarships have been really beneficial when applying for graduate school at Harvard, and when seeking employment in the US, where candidates are always competing with so many other equally qualified individuals and where every little extra helps! Following my LLM, I worked as a Harvard Law School Public Service Fellow, and am currently working as a Helton Fellow of the American Society of International Law."

Peter Dunne, Academic Scholar, Law

"Winning a UCD choral scholarship had a massive part to play in making my college life an incredible one. The music we made was of a standard I had never experienced before. I had no clue that membership of this ensemble would take me to Budapest, let alone on a ten-day tour of the USA! I made some of my greatest friends through my membership of UCD Choral Scholars, and the best part is that we hail from all over the country and are studying completely different things."

Kate Lenehan, Choral Scholar

Academic Scholarships & Awards

Entrance Scholars

UCD recognises the calibre of its incoming high-achieving students with the award of UCD Entrance Scholar. Entrance Scholar awards are presented to first year students who achieve 560 points or more in their Leaving Certificate (or equivalent second-level examination), in recognition of their academic accomplishment.

Eligibility
No application is required and recipients are automatically informed.

Benefits
Recipients are presented with a recognition certificate and their achievements are recorded on their academic transcript.

University Scholars

University Scholarships are awarded on the basis of outstanding academic performance in each stage of a programme. UCD awards over 200 such scholarships to students at the University Awards Day each year.

Benefits
Recipients are presented with a bursary and a parchment, and the scholarship is noted on their academic transcript.

Awards and Prizes

Across the University up to 300 separate awards, prizes and medals are presented annually to undergraduate and postgraduate students who excel in specific subject areas or modules.

Benefits
Depending on the type of award, a bursary, medal or prize will be awarded and noted on the recipient's academic transcript.

www.ucd.ie/scholarships

awardsandscholarships@ucd.ie

Sports Scholarships

UCD Sports Scholars

Eligibility – prospective students
Recipients have the potential to compete at the highest national level, and above, in a particular sport. Candidates apply to CAO as normal and submit a supplementary application to UCD Sport by 31 March 2017. Where an application is submitted for an Ad Astra Elite Athlete Scholarship and is unsuccessful, it can automatically be considered for a Sports Scholarship. There's no need to complete a supplementary application.

Eligibility – while studying at UCD
This is subject to renewal on an annual basis and can be awarded at any stage during your time at UCD.

Benefits
Each scholarship is assessed on an individual basis. However benefits include access to the high performance centre and team gym with personal and sqaud training, free pool membership, access to on campus accommodation (if required), access to reduced sports physio and massage, travel with teams to national and international competition and academic support. Also a bursary may be awarded which can be used to offset fees, accommodation, equipment, books, sports medicine etc.

www.ucd.ie/sport/scholarships

sport@ucd.ie

facebook.com/ucdsport

Terms and conditions apply. The value, number and benefits of scholarships may vary from year to year.

Scholarships & Awards

For more information and a full listing of UCD scholarships and awards visit: **www.ucd.ie/scholarships**

UCD Orchestra in Uppsala University Sweden

UCD Choral Scholarships

UCD offers 18 scholarships (worth €1,000 on average) to talented singers to form UCD Choral Scholars, the university's premier vocal ensemble. These scholars represent UCD at key university events, on radio, on TV, in performance with leading national and international ensembles, and on tour (USA, UK, Hungary, Italy, Holland).

The group recently recorded a disc for Signum Records UK, due for worldwide release later in 2015. Being a UCD Choral Scholar is a great way to meet students from other disciplines and to make friends for life. If you are interested in applying for an audition please see the recruitment page at www.ucd.ie/choralscholars.

For further information contact Dr Desmond Earley, Artistic Director:

→ Email: **choralscholars@ucd.ie**
→ Web: **www.ucd.ie/choralscholars**
→ Twitter: **@UCDChoral**

UCD Symphony Orchestra Scholarships

UCD Symphony Orchestra Scholarships are awarded to talented students in key positions within UCD Symphony Orchestra. These scholars join other talented students in performances at major venues in Dublin, such as Christ Church Cathedral, the Convention Centre and the National Concert Hall. The orchestra regularly engages in collaborations with other universities, having recently travelled to Germany and Sweden.

There are opportunities to work with celebrated soloists and in sectional rehearsals with establish professional musicians. The UCD Symphony Orchestra is noted for its innovative programming, which embraces mainstream symphonic repertoire, choral works, popular music and multi-media events.

For further information contact Dr Ciaran Crilly, Artistic Director:

→ Email: **orchestra@ucd.ie**
→ Web: **www.ucd.ie/orchestra**

Scoláireachtaí Theach na Gaeilge Bhord na Gaeilge/ UCD Irish Language Student Residence Scheme

Tairgeann Bord na Gaeilge UCD 24 scoláireacht san iomlán, do mhic léinn ionchasacha agus do mhic léinn reatha le cónaí trí mheán na Gaeilge agus le feidhmiú mar ambasadóirí teanga. Roghnaítear iarrthóirí ar bhonn foirm iarratais agus agallaimh.

Cáilitheacht

Mic léinn atá ag gabháil d'aon chúrsa de chuid na hollscoile atá líofa sa Ghaeilge agus tiomanta do chur chun cinn gníomhach na teanga.

Buntáistí

Mairfidh na hiarrthóirí a n-éireoidh leo i 'dTeach na Gaeilge', mion-Ghaeltacht na hOllscoile agus aisíocfar céatadán den chostas cónaithe leo. Cuirfear cúrsaí ionduchtaithe agus traenála ar fáil dóibh. Ceann de bhuaicphointí na bliana ná an malartán le *Taigh na Gàidhlig*, Ollscoil Ghlaschú, agus Ollscoil Dhún Éideann Albain. Beidh scoláireacht Theach na Gaeilge luaite ar a dtras-scríbhinn acadúil.

Beidh foirmeacha iarratais ar fáil ón 1 Márta 2017. Gach eolas le fáil ó: **Clár Ní Bhuachalla**, Oifigeach Gaeilge

→ Ríomhphost: **oifigeach.gaeilge@ucd.ie**
→ Suíomh: **www.ucd.ie/bnag**

President's Awards

The President's Awards recognise that the university experience has many facets and they reward student achievement and performance in a variety of areas: exceptional contribution to college life, volunteering or achievement against adversity.

Eligibility – while studying at UCD

Any current UCD student can be nominated for a President's Award. Nominations come from UCD staff and students. A selection committee determines, from the list of nominated students, those students to receive the President's Award. Typically 15 students are selected each year.

Universitas 21 Scholarships

UCD offers scholarships to UCD students going on semester and year-long exchanges to our U21 Asian and Latin American university partners. The level of scholarship depends on the length of exchange.

→ For more information: **exchanges@ucd.ie**

UCD Global Excellence Scholarships

UCD awards a small number of tuition fee scholarships to high-achieving international applicants.

→ **www.ucd.ie/international/study-at-ucd-global/ coming-to-ireland/scholarships-and-funding**

Terms and conditions apply. The value, number and benefits of scholarships may vary from year to year.

Undergraduate Tuition Fees consist of the following three elements:

— Tuition Fees
— Student Contribution Charge
— Student Levy

Fees & Funding

Tuition Fees — The Free Fees Initiative

Under the Higher Education Free Fees Initiative (this scheme is currently under review), the State pays the tuition fees for eligible full-time, non-repeat undergraduate, EU/EEA/Swiss confederation students who:

- Are first-time undergraduates.
- Hold EU/EEA/Swiss confederation nationality or official refugee status (see website for comprehensive list of categories).
- Have been ordinarily resident in an EU/EEA/Swiss confederation member state for at least three of the five years preceding their entry to an approved course.

Only students who are *not* eligible under the Free Fees Initiative are liable to pay full fees.

Students who are classified as non-EU students pay non-EU fees. The fees schedule and fees information are available at **www.ucd.ie/students/fees**

Updated information about tuition fees and fee payment for students entering UCD in 2017 will be available from summer 2017, when fees are set by the Department of Education and Skills.

Student Contribution Charge

- The Student Contribution Charge for 2015/16 has been set at €3,000.
- If you are eligible under the Higher Education Free Fees Initiative, you will have to pay the Student Contribution Charge and the Student Centre Levy. The "free fees" scheme will pay the tuition fees element.
- If you are not eligible for "free fees", you will have to pay the full programme fee rate, which includes the Student Contribution Charge and Student Centre Levy.
- Students have the option to pay the Student Contribution in two parts: at the start of semester one and at the start of semester two. Reductions for second and subsequent children take place via the tax system.
- The Student Contribution Charge may be paid by the Exchequer in respect of students who qualify under the Higher Education Grants Scheme.

Student Centre Levy

All students will be liable for payment of the Student Centre Levy. The Student Centre Levy for 2016/17 is €247.

Grants

New entrants to the Higher Education Grants Scheme will be managed through the Student Universal Support Ireland (SUSI) system, rather than through individual County Councils, Local Authorities or VECs. Some continuing students (pre-SUSI) will be managed by their existing grant authority. If you think you are eligible for a grant you should deal directly with SUSI.

→ **support@susi.cdvec.ie**
+353 761 087874
www.studentfinance.ie

Funding & Loan Options

Many financial institutions are now offering tailored funding or loan options for third-level students. Students should contact providers directly for support and advice on the financial options available to them in funding their study.

www.ucd.ie/students/fees

Budgeting Guidelines

The cost of living in Dublin can be high, although it very much depends on each student's individual needs.

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

Cost of Living for Student Living away from Home

Expense	Monthly €	Annual Cost € Nine months (academic year)
Rent (Shared – Own Room)	350–600	3,150–5,400
Utilities (Electricity/Gas/Bins/Internet)	33	297
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
Total	€1,018–€1,268	**€9,162–€11,412**

Cost of Living for Student Living at Home

Expense	Monthly €	Annual Cost € Nine months (academic year)
Contribution to Bills	34	306
Food	70	630
Travel (Monthly Short Hop ticket)	119	1,071
Books and Materials	71	639
Clothes/Medical	45	405
Mobile	20	180
Social Life/Misc	112	1,008
Total	€471	**€4,239**

Supporting Students

At UCD we are committed to fostering an environment that is attractive and inclusive to all students, including students with a disability, mature students and students who for a variety of social and economic reasons are under-represented in university.

UCD has a number of initiatives which enable a wide range of students to pursue their studies in UCD. These include outreach activities, providing information and offering alternative admission pathways and post-entry support.

Outreach, Information and Guidance

- Information sessions for prospective students at UCD Open Days
- Outreach activities with linked schools and communities, offering on- and off-campus information workshops, taster activities, interactive projects, academic support and mentoring programmes
- HEAR and DARE Application Clinics

Student Support

In addition to our general supports, a number of specific post-entry supports are available for students with a disability, mature students and HEAR students. These include:

- Orientation activities and academic skills support
- Advice and guidance on academic, personal and practical issues
- Needs based financial support for HEAR students
- Needs assessment for exam accommodations and Assistive Technology support for students with a disability
- Specialised Student Support

Alternative Admission Pathways

Higher Education Access Route (HEAR)	Disability Access Route to Education (DARE)	FETAC	Mature Students	Access to Arts, Humanities & Social Sciences, Law, Science, Engineering and Agriculture	Open Learning
School leavers from under-represented socio-economic groups	School leavers with a disability or specific learning difficulty	Students with appropriate FETAC (level 5 or 6) qualifications & modules, with a minimum of distinctions in five modules can be admitted on a competitive basis to a number of degree programmes	Applicants on the grounds of mature years (23 and over)	Access programmes for mature students provide an alternative entry route to study at degree level in UCD. Mature students who achieve the required academic standard in their assessment are guaranteed entry to specific programmes in UCD in the following academic year.	In 2017-18 seventy modules will be on offer for adult learners. Students can participate and immerse themselves in student life through this part-time mode of study. Each Module carries 5 ECTS. Modules can be taken for credit or audit. From 2016 students may combine modules to receive a certificate or diploma award.
hear@ucd.ie	dare@ucd.ie		mature.students@ucd.ie	adult.education@ucd.ie	adult.education@ucd.ie
+353 1 716 7535	+353 1 716 7539			+353 1 716 7123	+353 1 716 7123
www.accesscollege.ie	www.accesscollege.ie	www.ucd.ie/myucd/FETAC	www.ucd.ie/maturestudents	www.ucd.ie/adulted	www.ucd.ie/adulted
www.ucd.ie/openingworlds					

UCD Future 'You' Mentors, UCD Access & Lifelong Learning Centre

"Going to college, specifically to UCD was always something I wanted and I tried hard to achieve. Being in UCD gives me the opportunity to get involved in almost anything, keeping me interested and active all the time. I was offered a place through the HEAR Scheme into my dream course - Computer Science. This year, I have decided to further develop my skills and take part in the Future You mentoring programme, I have made many new friends and mentor students in my old secondary school in preparing for the Leaving Certificate and making their college choices."

Patryk Labuzek
1st year Computer Science student, Future You Mentor

"Coming from Wexford, moving to Dublin was quite scary. Being part of the UCD Access & Lifelong Learning made that so much easier because of all the supports that were made available to me. My favourite areas of study are biology & physiology and my favourite thing about my course is understanding how things work and the lab work! I am an Access Student Leader which has been an amazing experience and so much fun! Access & Lifelong Learning and DARE has really helped me settle into UCD."

Amy Hassett
2nd year Science Student, Access Leader

"The Access to Arts & Human Sciences programme guaranteed me a place on the (BCL Hon) Law degree. Studying Law has been challenging, but rewarding, and I have learnt how to balance both my personal and university life. With the support of the Law School, I have fundraised for charitable causes like Childline and the ISPCC, this has enhanced my university experience and personal development. I am well on my way to meeting my potential and working towards a career I have always wanted."

Joy Kangere
2nd year Law Student

"Archaeology has been an interest of mine for 40 years, but it wasn't possible to pursue this interest until I retired. UCD Open Learning allows me to access the highest quality teaching in Archaeology. The library and online access to the best quality journals enable me to investigate areas of interest. Now having the option to work towards a certificate or diploma award is an added bonus."

Aidan Giblin
Open Learning Student

Orientation & Accommodation

Ireland's largest university campus, UCD is a vibrant student community with over 2,800 students living on a state-of-the-art campus only 5km from Dublin city centre.

Life at university is not just about lectures and study: there is so much more to being at UCD. You will find that sports, societies and an active social life are vital ingredients of your university experience. Orientation week is a great opportunity to get to know your campus and classmates, and explore the facilities on offer.

UCD Peer Mentors: Roy Hartford (Ad Astra Scholar) and Rebecca Hart.

Key Fact

UCD has the largest Peer Mentor programme of any Irish university with over 600 Peer Mentors last year.

New Student Orientation

To help you settle into life at UCD, we organise a timetable of events known as Student Orientation for all incoming new students. This takes place the week before the academic year begins and it is a special week for new students only. It is designed to help you find your way in UCD.

The best part of Orientation is that it's fun! Annual Orientation traditions include comedy, tapas and salsa dancing, debates, movie nights, sports tournaments, DJ and band nights in the Student Club, scavenger hunts and the Orientation Céilí and Barbecue.

Peer Mentoring

As a new student you'll be assigned a Peer Mentor. Peer Mentors are volunteer second or third year students from your academic area who will help you settle in to UCD. Your Peer Mentor will contact you before you even begin Orientation. They will remain your point of contact throughout your first semester, arranging group meetings and providing information about assignments, exams, registration and subject-related issues.

"Orientation week was a great help for learning my way around campus and the facilities. I also got to meet my Peer Mentor who was able to give me tips about my course."

Cillian Ryan, Social Science

"I found Orientation week very useful as it gave me the opportunity to get to know people in my course and learn my way around the campus. It made settling into UCD much easier."

Daniel Nolan
Commerce International

Accommodation Booking and Support Office
Merville Residences
Email: **residences@ucd.ie**
Tel: **+353 1 716 5772**
+353 1 716 5773

www.ucd.ie/residences

www.ucdaccommodationpad.ie

Student Ambassadors: Eoin Kilroy-Talbot, Jessica Concannon (Ad Astra Academic Scholar and UCD Volunteer Overseas).

"Having a Peer Mentor was a valuable experience that provided a solid and positive foundation for my first year in college."

Donal Campbell, Psychology

"Peer mentors are a really great resource, and it's a lovely feeling knowing there's someone on a student level you can turn to with any queries or problems."

Louise Callan
Archaeology and Irish Folklore

UCD Residential Assistants, Jess Quinn (Roebuck), Kieran Lardner (Glenomena) and Ciara Bogle (Belgrove)

Living on Campus

Coming to live on campus at UCD as a first year student is an exciting and liberating experience. To help new students adjust to college life, UCD Residences gives priority to first year students with on-campus places (typically over 1,000 first years are accommodated).Options for undergraduates include self-catering apartments, halls of residence, and catered accommodation which include meals in the cost. Specially adapted facilities are provided for students with disabilities.

As a guideline, accommodation fees for the 2016/17 academic year ranged from €5,896 to €10,408, depending on the type of accommodation.

Applications for UCD Residences normally open in May. For details and updates on the application process see **www.ucd/residences**. For off-campus options see **www.ucdaccommodationpad.ie**.

Booking Facts

- Select from a wide range of locations with different prices and facilities
- You have a choice of rooms. An electronic booking system provides basic information on the profile of students already booked into shared apartments

On Campus Residential Services

- 24 hr support for residents
- On site maintenance team
- Launderettes
- Gym and social spaces
- On site Residence Assistants (RAs) and security
- Reslife programme

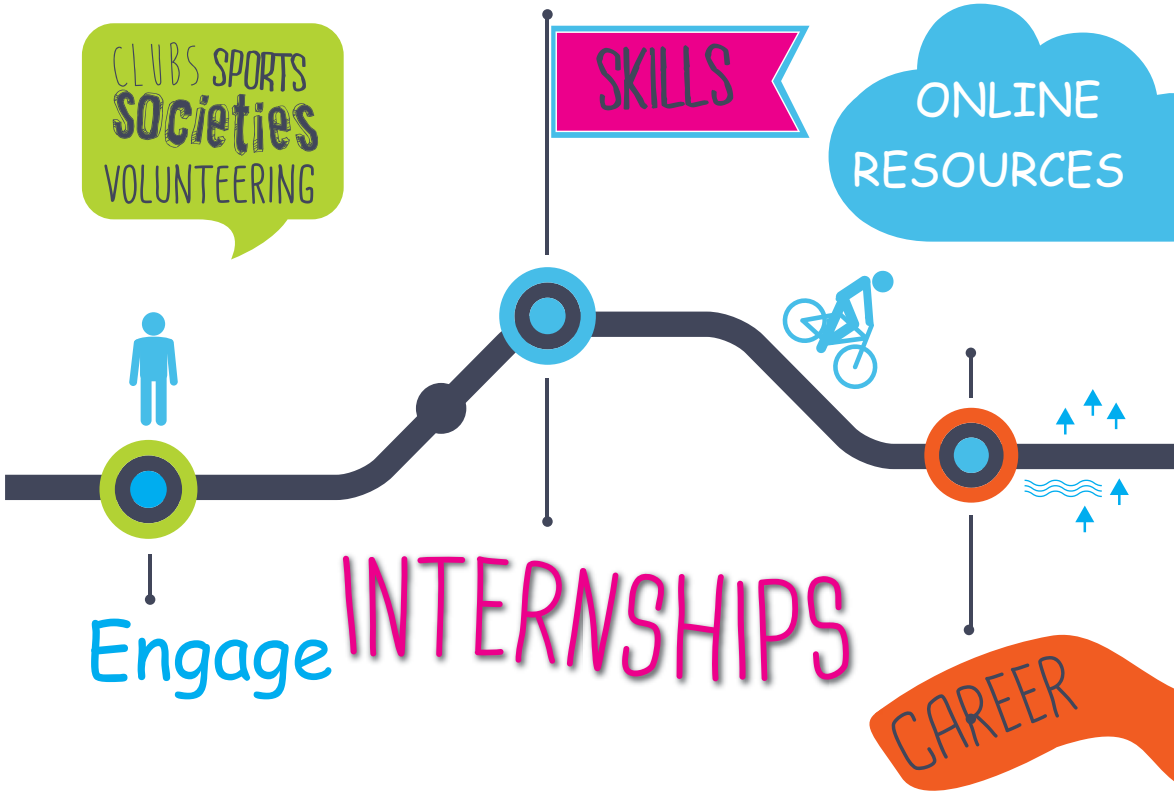
Residential Assistants

Each location has a team of RAs.
The Residential Assistants are current UCD Students who work closely with the Residence Service Team and provide a high quality service for residents out of hours.

ResLife Programme

The Reslife programme aims to build a community within the Residence. There are organised events throughout the year e.g. Sports Activities, Fitness Classes, Cooking Classes, Social events, Day trips.

Your Roadmap to Success



Get Involved! 1st Year ▶ Explore Career Options!

87% of recently surveyed honours degree students entered employment or graduate study within 9 months of leaving UCD

Start Here to Get your Career Sorted!

First Year students participating in the UCD Big Skills Challenge.

UCD is committed to helping students prepare for life beyond University. Whether you have a clear vision of what you want to do upon graduation or are just beginning to look at your career options, we can help.

Check us out at www.ucd.ie/careers and come visit the Centre when you are in your first year- give yourself the edge over your competition!

The Career Development Centre will help you:

- Understand the range of national and international career opportunities available to you.
- Find out what other UCD graduates from your programme have gone on to do.
- Take credit and non-credit programmes & workshops to develop your skills, competencies and attitudes that employers seek.
- Develop a winning CV, Cover letter and Interview techniques for face-to-face, telephone, skype and group interviews and how best to compete for jobs.

2nd-3rd Year ▶ Apply! Final Year

During the academic year2014/15, UCD students developed the skills and competencies and career knowledge needed for success. Here are some key statistics.

Supporting your Career and Professional Development

- 7697 UCD students attended at least one of 185 tailored lectures and workshops carried out in UCD Schools organised by the Career Development Centre.
- 128 students completed a non-credit Certificate with the Centre e.g. the Non Credit Certificate in Work-Related Learning.
- 2160 students availed of the career coaching and guidance services.
- 1555 students completed on-line self-assessment tools such as: Occupational Interest Inventory, Type Dynamic Indicator (helping students understand the relationship of their personality to work), Numerical and Verbal and Abstract Reasoning tests.
- 4250 students attended 4 Recruitment Fairs held on campus.

Networking Opportunities with World Leading Employers

- 160 employers attended 4 Recruitment Fairs on campus, targeting UCD students for intern and graduate jobs.
- 2359 intern and graduate jobs were directed to the UCD Career Development Centre for promotion to students at UCD.
- 118 employer-led workshops, lectures and recruitment presentations were delivered on campus.
- 562 employers were added to the Centre's employer database.

What Employers Say about UCD Graduates & Internships

"Experience has shown UCD graduates from all disciplines to possess the attributes and skills needed to thrive in our business and deliver high quality and innovative solutions for which Accenture is renowned."

Hilary O'Meara, Head of Accenture's Technology Growth Platform in Ireland

accenture

UCD Career Development Centre

You can find us on the corner of the James Joyce Library building. We have our own entrance next to the Campus Bookshop and opposite the main lake.

Career Ambassador providing information at a Career Development Centre Event.

www.ucd.ie/careers

facebook.com/ucdcareers

twitter.com/ucdcareers

Learning Supports

For new students entering first year, UCD provides dedicated resources to support learning and development.

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.

UCD Connect gives you access to your personal files, library resources and online learning resources, along with:

- Email and a personal calendar, including class timetable
- Google Drive
- Blackboard e-learning system
- Application Jukebox

UCD Mobile

You can download a free app called **UCD Mobile**, that includes an interactive map of campus, news updates, Blackboard Mobile Learn, events calendar, sports fixtures and much more!

Help and Advice

There are two drop-in IT Centres on campus, in the Daedalus and Health Sciences buildings.

Look out for our mobile IT Centre which will be on the move across campus during term time!

UCD is a BYOD (Bring your own device) campus so come to us for all your device queries.

Remember, online support is available at **www.ucd.ie/it**

IT Facilities on campus

Almost 1,000 computers are available in open-access laboratories including Stand Up And Surf (SUAS) PC areas throughout the University.

The IT Services Orientation Event takes place every year in late August/early September in the Daedalus building. For details of 2017 event check **www.ucd.ie/it**

www.ucd.ie/it

UCD Library

Visit any of our site libraries, or the Library's websites, and discover what a valuable resource UCD Library can be, with 842,000 print books, 262,000 e-books, numerous subject databases and approximately 98,000 print or electronic journals. If UCD hasn't got a book you are looking for, we'll help you obtain it through our Inter-Library Loan Service or give you an access card for another library.

We provide:

- Library staff to help you locate resources for assignments via our online catalogue and other sources.
- Library tours and training sessions.
- Websites/social media channels providing information, e-tutorials and videos on finding books or articles, references, bibliographies and avoiding plagiarism.
- 3,150 reading or study places for quiet study.
- Group study rooms and social learning spaces.
- Self-issue and return kiosks.
- Online services enabling you to renew loans, pay fines or book study rooms 24/7.
- Wifi and network connections throughout
- PCs or a laptop loan service (James Joyce /Health Sciences Libraries).

→ **www.ucd.ie/library**

Maths Support Centre (MSC)

Many students find maths difficult. The MSC is a welcoming environment offering help with maths, applied maths or statistics.

- Any UCD student registered to a Level 0, 1 or 2 module can avail of free maths support, whether or not you take a maths/stats module.
- The MSC works on a drop-in basis during 33 opening hours per week; no need to book ahead.
- Support is on a one-to-one or small group basis, with tuition by friendly and experienced tutors.
- A wide range of maths resources is available, including textbooks, notes and practice sheets and online videos.

→ **www.ucd.ie/msc**
→ **email: msc@ucd.ie**

UCD Writing Centre

Being an undergrad means being a writer. All UCD students have to demonstrate their knowledge in the written format. How can the Writing Centre help?

- We provide free, one-to-one writing consultations with experienced writing tutors.
- We give advice on any writing-related issues, from structure and phrasing to referencing and points of grammar.
- We offer help at any stage of your writing, from researching, planning and drafting to editing and proofreading.
- We have a team of experienced, friendly, helpful tutors who come from different disciplines.
- We offer appointments and drop-in sessions, so it's not necessary to book ahead.
- We're open every day, usually from 10-1 and 2-4.

→ **www.ucd.ie/writingcentre**
→ www.facebook.com/**ucdwritingcentre**

Cúrsaí Gaeilge/ Irish Language Courses and Activities

Cuireann Bord na Gaeilge UCD cursaí ar fáil ag 5 leibhéal maraon le cúrsaí ar líne agus imeachtaí don chainteoir líofa.

Bord na Gaeilge UCD provides courses in conversational Irish from beginners to advanced including an online course, as well as a range of activities and social events through Irish.

→ **www.ucd.ie/bnag**
→ facebook.com/**UCDBordnaGaeilge**

Applied Language Centre

The UCD Applied Language Centre provides a wide range of language-learning programmes and services for all students. The emphasis is on the acquisition of communication skills to ensure that students develop the competence and confidence to use the target languages for study or work purposes. The centre offers the following:

- A range of modules is provided for undergraduate and graduate students as electives.
- Courses include European, Asian, Slavonic and Middle Eastern languages.

→ **www.ucd.ie/alc**

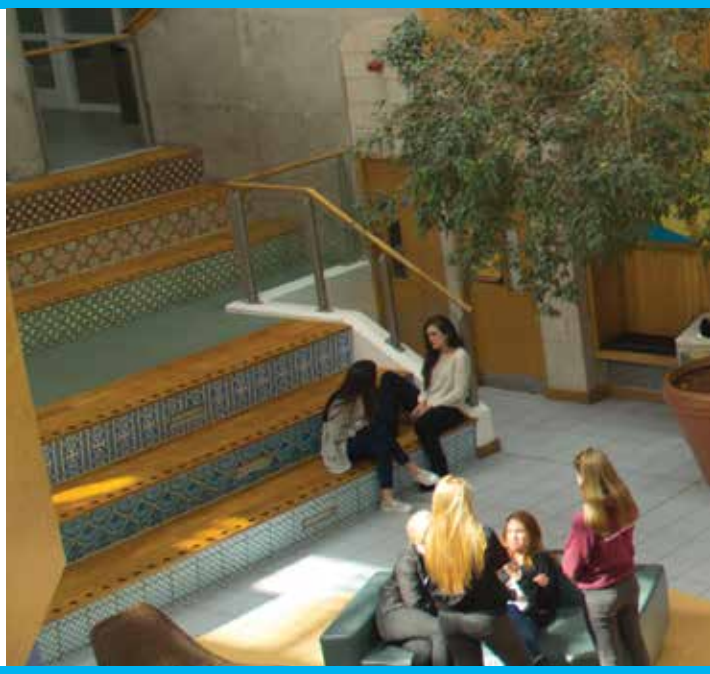
UCD Innovation Academy

UCD Innovation Academy offers elective modules to undergraduate students. You will have the opportunity to learn in an innovative and creative environment through workshops, industry engagement, team challenges and presentations and gain key skills that are highly sought after by employers.

Introduction to Creative Thinking: Learn the techniques and tools of creativity, problem solving and Design Thinking in a team-based, action learning environment.

Entrepreneurial Endeavour: Gain practical experience of taking an idea for a business or social venture from inception to testing and validation. Find out more at: **innovators.ie/for-undergraduates**

Student Facilities & Supports



UCD has a dedicated support network for students, to help ensure every student gets the most out of their time at UCD.

Campus

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

Student Centre

The UCD Student Centre offers a relaxed meeting place for students, with café and bar areas, medical centre, pharmacy, as well as an outstanding range of sports and student activity facilities. See page 28 for more details on the UCD Student Centre.

Students' Union

All UCD students are automatically members of UCD Students' Union (SU). The SU is the representative body of UCD students and campaigns for their rights at a national and campus level. There are five full-time officers: President, Welfare, Education, Graduate, and Campaigns and Communications. All the SU officers are UCD students and they offer advice through any kind of situation; they understand the issues facing students – you can call over at any time and have a chat with them.

Throughout the year, the SU Entertainments (Ents) Office runs class trips and parties, gigs, comedy nights, mystery tours, The Freshers Ball – your first introduction to life at UCD – and the prime event in the campus social calendar – the UCD Ball. The SU will keep you informed through its award-winning newspaper, *The University Observer*.

Student Advisers

The Student Advisers provide support for all students throughout their university experience, particularly during their first year. Each programme has a dedicated Student Adviser who is your gateway to support services. Additionally, there are Student Advisers attached to specific groups of students, such as mature or international students.

We work closely with the administrative and academic staff as well as other support staff. We are here to help you make your time at UCD as fulfilling and enjoyable as possible. Students can call to see us in relation to personal, social or practical issues. From simple requests for information to more confidential and serious matters, we will give you the time and space to talk things through.

Please Talk .org

Student Support Services

Students' Union
www.ucdsu.ie

Financial Assistance
www.ucd.ie/studentadvisers/financial.html

Student Advisers
www.ucd.ie/studentadvisers

Crèche
www.ucd.ie/creche
+353 1 269 5143

Student Health Service
www.ucd.ie/stuhealth

Student Counselling Service
www.ucd.ie/studentcounselling
+353 1 716 3133/3134

Chaplaincy/Religious worship
www.ucd.ie/chaplaincy

The Student Centre and the UCD Sport & Fitness complex are the home of student life on campus. With a cinema, debating chamber and 50 metre swimming pool, the development provides the most diverse student facility of any university in Ireland.

Student Centre facilities include:

- 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
- The UCD Clubhouse (bar and function room)
- Great places to eat or just chill out

Sport & Fitness Centre facilities include:

- 50 metre swimming pool
- Gym, dance and spinning studios
- Sauna and jacuzzi
- Three multi-purpose sports halls
- Four squash courts
- Handball/racquetball alley
- Climbing wall
- Changing facilities for indoor and outdoor sports
- Performance and squad gyms
- 17 natural grass pitches on campus, including the UCD Bowl, home ground to both UCD RFC and UCD AFC
- 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

www.ucd.ie/studentcentre

www.ucd.ie/sportandfitness

Student Gym Membership

Student Gym Membership entitles current UCD students to free access to UCD Sport & Fitness Gym and the Performance gym. Students who activate their Student Membership can gain access to the pool on a pay-as-you-go basis or can pay a once-off annual charge for unlimited access to the pool area.

Check us out on **facebook.com/studentcentre**

See a sample of some student life on **www.ucd.ie/studentcentre/studentexperience/videos**

www.ucd.ie/sport

www.ucd.ie/sportandfitness

www.ucd.ie/studentcentre

UCD Sport & Fitness complex

Clubs & Societies

Student Societies

Student societies are a great way to explore your interests and develop new ones. UCD has over 80 active student societies so there is something for everyone, from Jazz and Comedy, to Law and Drama.

Guests such as Conor McGregor, Judge Judy, Dustin Lance Black , Neil Gaiman, Will Ferrell, Emeli Sandé, Sir Christopher Lee, Sir Alex Ferguson, Archbishop Desmond Tutu, Noam Chomsky, Seamus Heaney, FW de Klerk have all recently been awarded Honorary Memberships from UCD student societies and sports clubs on their visits to UCD.

UCD Karate Club

UCD Games Society

UCD Ad Astra Elite Athlete, Chloe Watkins

- Actuarial & Financial Studies
- Africa
- Agricultural Science
- Amnesty
- An Cumann Gaelach
- Arab
- Archaeology
- Architecture
- Arts
- Baha'i
- Biology
- Broadcasting (Belfield FM)
- Chemical
- Chemical Engineering
- Chinese
- Christian Union
- Civil Engineering
- Classical
- Comedy
- Commerce & Economics
- Dance
- Dramsoc
- Draw
- Ecomonics
- Electrical Engineering
- Engineering
- English & Literary
- Erasmus Students
- Film & Video
- Food
- French
- Games
- Geography
- Geology
- German
- Harry Potter
- History
- Horse Racing
- Horticulture
- Indian
- International Students
- Internet
- Investors & Entrepreneurs
- Islamic
- Italian
- Japanese
- Jazz
- Juggling
- Kevin Barry Cumann (Ógra Fianna Fáil)
- Labour Youth
- Landscape Architecture
- Law
- LGBTQ+
- Literary & Historical
- Livingstones
- Malaysian
- Maths
- Mature Students
- Mechanical Engineering
- Medical
- Microbiology
- Music
- Musical
- Newman
- Nurses
- One Health
- Pharmtox
- Philosophy
- Physics
- Physiotherapy
- Politics
- Psychology
- Radiography
- Russian
- Science
- Science Fiction & Fantasy
- Sinn Féin
- Socialist Worker
- Spanish
- St Vincent de Paul
- Structural Engineering
- Student Legal Service
- Traditional Music
- TV
- Veterinary
- Volunteers Overseas
- World Aid
- Young Fine Gael

www.ucdsocieties.com

Twitter: **@UCDSocieties**

Facebook.com**/UCDSocieties**

Student Sports Clubs

If you have a passion for competitive sport or a desire to lead a healthier and active lifestyle, UCD Sport and UCD Sport & Fitness have a wide variety of sporting and leisure pursuits to choose from.

University College Dublin GAA players celebrate after the game with the O'Connor Cup in March, 2016.

With 55 official sports clubs, excellent facilities and a huge programme of fitness classes, there's something for everyone. So make the most of your time in UCD, get involved, get active and have fun.

"For me, joining the trampoline club was one of the best things I did when I joined college. I was immediately struck by the sense of family among the members. The coaches are always so supportive and working with you towards you goals and the committee works so hard to ensure everyone feels welcomed into the club. I've definitely made friends for life in this club and met people I never would have had the chance to meet otherwise. I've been able to learn and successfully compete skills that I had previously only dreamt of doing. We train hard and we play hard - but no matter what do or where we go, we do it together"

Emily Farrell ,
3rd Year Physiotherapy

- Aikido
- American Football
- Archery
- Athletics
- Badminton
- Ladies Basketball
- Men's Basketball
- Ladies Boat
- Men's Boat
- Boxing
- Camogie
- Canoe
- Capoeira
- Caving & Potholing
- Cricket
- Cycling
- Equestrian
- Fencing
- Ladies Gaelic Football
- Men's Gaelic Football
- Ladies & Men's Golf
- Handball
- Ladies Hockey
- Men's Hockey
- Hurling
- Judo
- Karate
- Kite
- Lacrosse
- Lau Gar Kickboxing
- Mountaineering
- Netball
- Ninjutsu
- Olympic Handball
- Orienteering
- Pool & Snooker
- Rifle
- Men's Rugby
- Women's Rugby
- Sailing
- Sepak Takraw
- Shaolin Kung Fu
- Snow Sports
- Men's Soccer
- Women's Soccer
- Softball
- Squash
- Sub Aqua
- Surf
- Swimming & Waterpolo
- Table Tennis
- Taekwondo
- Tennis
- Trampoline
- Ultimate Frisbee
- Volleyball
- Windsurfing

www.ucd.ie/sport/clubs

www.ucd.ie/sport

www.facebook.com/**ucdsport**

UCD Cycling Club

UCD Ad Astra Rugby players: Josh Van der Flier , Luke McGrath and Garry Ringrose

UCD Ad Astra Athlete, Emma O' Dwyer, Equestrian

"I'm studying a Joint Honours bachelor's degree in Irish, and Politics & International Relations in UCD. I had originally planned to study Irish and Music but chose instead to continue with my third first-year subject, which was Politics & International Relations. One of my most incredible experiences in UCD was being selected to attend the National Model United Nations in New York City where Ban Ki Moon was the keynote speaker."

Shauna Fitzsimons Irish & Politics, UCD Student Ambassador, Coxswain for UCD Boat Club.

Arts, Humanities & Social Sciences

Archaeology	36
Art History	37
Celtic Civilization (incorporating Early Irish and Welsh)	38
Classics (Greek & Roman Civilization, Latin and Greek)	39
Economics	40
English	42
Drama Studies	43
English with Film	44
French	45
German	46
Geography	47
History	48
Information & Social Computing	49
International Languages	50
Irish	51
Irish Folklore	52
Irish Studies	53
Italian	54
Linguistics	55
Mathematics	56
Music	57
Philosophy	58
Politics & International Relations	59
Psychology	60
Sociology	62
Spanish	63
Statistics	64

UCD gives you access to Ireland's broadest range of Arts, Humanities and Social Sciences options. For students who already know and love subjects such as English, History, Economics or Geography — you gain access to world-class academics that inspire and stimulate. If you prefer to explore exciting new subject areas, subjects like Archaeology, Linguistics or Philosophy will show you new ways of seeing and thinking about the world.

Why UCD Arts, Humanities & Social Sciences?

UCD's two subject degree in Arts, Humanities & Social Sciences is the most popular degree in Ireland.

Internationally recognised as a top-quality degree from a world-class university taught by expert academics.

The path chosen by generations of Irish and international leaders in business, administration, the arts and the media.

Valued by employers at home and abroad for the quality of its graduates.

Obtain essential life and employment skills, including critical thinking, analysis and communication, and learn how to be adaptable and flexible in a changing business world.

Explore and access the expertise of UCD Alumni by participating in career mentoring facilitated by the UCD Career Development Centre.

Two Subject Degree (DN500)

A three-year course where you study two subjects to degree level and graduate with a Joint Honours bachelor's degree.

Select your subjects

Indicate on your CAO form the two subjects you wish to study. Find out which subjects you can combine on page 35.

Year 1

When you register with UCD, you are encouraged to choose additional subjects. 95% of students choose a third subject to study in first year. This gives you the opportunity to experience other subjects you wish to explore.

At the end of first year, you will receive advice and support in finalising your two subject choices before you move into second year.

Years 2 & 3

Study your two chosen subjects to degree level.

Two Subject Social Science Degree (DN550)

You can also study social science subjects in the two subject social science degree [DN550] see page 65.

One Subject Degree

A three-year course where you study one subject to degree level and graduate with a Single Honours degree.

You can apply directly through CAO for a Single Honours degree in selected subjects including Economics [DN510], English [DN511], English with Film [DN513], History [DN515], International Languages [DN541] and professional degrees in Planning, Geography & Environment [DN514] and Psychology [DN519].

You will study additional subjects in Year 1 and then focus on your chosen single subject for Year 2 and Year 3.

You may transfer from a Joint Honours degree to a Single Honours degree after Year 1 in selected subjects. Individual subject pages detail whether this is an option.

International Study Opportunities

As Ireland's global university, UCD offers many opportunities for you to study abroad in prestigious universities across the world. As part of your Single or Joint Honours degree, you can opt to spend an additional year abroad and then graduate with a four year International Bachelor's Degree. You will receive guidance about your options for international study in your second year in UCD. Each subject page details the international study opportunities available for that subject.

Part-time Study

To find out about part-time study in Arts, Humanities & Social Sciences on a fee-paying basis email **ahss@ucd.ie**

Studying UCD Arts, Humanities & Social Sciences

Year 1 — Subject Combinations — Explore your options

Only one subject can be chosen from each group. 95% of Joint Honours students study three subjects in first year.
Single Honours students study at least one additional subject in first year

Group A	Group B	Group C	Group D	Group E	Group F
Art History	Classics: Greek [1]	Classics: Latin [1]	Archaeology	Italian	Celtic Civilization
Classics: Greek & Roman Civilization	History	German	English	Irish	Drama Studies
Economics	Music	Information & Social Computing	Politics & International Relations	Sociology	French
Irish Folklore	Statistics	Irish Studies			Geography
Linguistics		Mathematics			Psychology [2]
		Philosophy			
		Spanish			

1 Not on the CAO grid.

2 Only available through DN519.

Years 2 & 3 — Focus on your degree subjects

Joint Honours to degree level		Single Honours to degree level [3]
TWO SUBJECTS from those you studied in first year	**OR**	**ONE SUBJECT**

Optional international study abroad

3 Available only with certain subjects.

Bachelor's Degree (Honours)

Advance your studies at Master's Level

Master's degrees in your undergraduate subject area

Doctor of Philosophy (PhD)

Shape your career with UCD Arts, Humanities & Social Sciences

Careers in Business & Law
- Accountancy
- Solicitor/Barrister
- Planning & Project Management
- Management Consultancy
- Human Resources
- Business Analysis & Research

Careers in Media
- Journalism
- Publishing & Writing
- Marketing & Communications
- Information Management
- Social Media Development
- Television, Radio & Film Production
- Advertising & Marketing

Careers in Education
- Researcher
- Lecturer, Professor
- Community & Govt Education
- Education Promotion, Policy Research & Administration
- Secondary & Primary School Teaching

International Careers
- International Trade & Diplomacy
- Development & Aid Projects
- Multinational Business
- International Journalism & Media Correspondence
- Teaching

Careers in Government
- Local & National Government Positions
- Foreign Affairs & Diplomacy
- Policy Research
- Public Affairs
- Lobbying
- Government Advising & Media Liaison
- Public Policy Development

Careers in Heritage Management
- Arts Management
- Arts Curatorship
- Conservation & Museum Management
- Performing Arts

Careers in the Community Sector
- Community Development
- Project Co-ordination for Non-Profit Organisations
- Disability Support
- Policy Development, Research & Consultancy

Convert to a new discipline

- PME Professional Master of Education
- Master of Management
- Master of Common Law
- Master of Computer Science
- Master of Library and Information Studies
- Master of Public Policy
- MSc Marketing
- Graduate Entry Medicine
- MSc Digital Curation
- MSc Information Systems

Continue to develop your professional career with UCD...

Archaeology

BA (Hons) (NFQ Level 8)

UCD School of Archaeology and community volunteers survey Glendalough Graveyard during National Heritage Week.

"I always had an interest in archaeology, so when I came to UCD, I decided to try it. I really enjoyed the diversity it offered, the great field trips and the lifelong friends I made. My initial interest grew into something more than that and I decided to make a career of it. The fact that staff were so approachable helped enormously. I have now completed a PhD in UCD School of Archaeology, researching childhood in early medieval Ireland."

Denise Keating Graduate

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 85

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Option to take a single honours degree after First Year Yes

Popular Subject Combinations:
Geography, History, Greek & Roman Civilisation, Art History and Irish Folklore

Review the subjects you can study with Archaeology. See page 35

Other courses of interest

Social Science →65
Classics →39
History →48

Why is this subject for me?

Do you want to study a subject that combines the intellectual analysis of the humanities with the methods of social sciences and other scientific approaches? Do you want to learn how to assess and explain data and make connections between different types of evidence? Do you want to develop practical skills valued by employers such as report writing, image production and fieldwork? Archaeology is a truly interdisciplinary subject crossing diverse disciplines from history and geography to ancient DNA and bone chemistry. If you study Archaeology, we can promise you that you will see the world, time and the human condition in an entirely new way.

What will I study?

First Year

Exploring Archaeology • The Prehistoric World • The Archaeology of the Historical World • Introduction to Archaeology of Ireland

Second Year

Core courses:
How Archaeologists Think • Archaeology of Things • Archaeology of Landscapes

Optional Courses:
Environmental Archaeology • Stone Age & Megalithic Europe • Christian, Islamic & Viking Europe • Celtic & Mediterranean Europe • The Evolution of Humans

Third Year

Core courses:
Heritage Management • Archaeology and the Public

A wide range of optional courses are available including:
Archaeology of Food • Combat Archaeology • Experimental Archaeology & Ancient Technologies • Archaeology of Minoan Crete • Geoarchaeology • Human Osteology • Wetland Archaeology • Adoption of Agriculture

You study Archaeology as a two-subject degree. [Go to Page 35 for subjects you can combine with Archaeology.] At the end of first year, you may be able to transfer to a single-subject degree in Archaeology.

You will attend lectures, tutorials, practical classes and field trips and undertake independent study. You may also work on excavations and in the laboratory, and within the School's Experimental Archaeology space on campus.

Assessment is through a combination of end-of-semester written examinations, continuous assessment and independent learning. In your final year you may also undertake a research project.

Career & Graduate Study Opportunities

Many graduates have found employment within the archaeological profession, in consultancy, professional contract work, museums and education. Many more have used their transferable skills to become:

Business and industry entrepreneurs • Policymakers in arts and education • Journalists and cultural critics • Tourism leaders

Graduate study opportunities in UCD include the MA/MSc in Archaeology, Experimental Archaeology or World Heritage Management and the MLitt/PhD in Archaeology.

International Study Opportunities

Opportunities to study abroad may include Europe and the US, Canada and the Philippines. Work placement opportunities have included projects in Ireland, Northern and Eastern Europe, the Mediterranean and Southeast Asia.

KEY FACT
UCD is ranked in the Top 100 universities in the world for Archaeology according to QS World University Rankings by subject.

www.ucd.ie/**myucd/ahss**

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facebook.com/**UCDArchaeology**

"Prior to my appointment at UCD in 2006, I was Professor of Architecture at the University of California, Berkeley. I began frequenting museums as a child; at university I focused on the history of architecture as the most public form of art.

As a scholar I focus on the architecture of the 20th century, but in the classroom my range is much broader. My teaching at UCD includes modules on the history of modern architecture, on the court culture of 16th and 17th century Europe and Asia, and on the history of art history."

Professor Kathleen James-Chakraborty
Lecturer

UCD Art History students on Paris study trip

Art History

BA (Hons) (NFQ Level 8)

Why is this subject for me?

Art History is for you if you are interested in any or all of the different aspects of visual culture: painting, sculpture, architecture, the decorative arts and modern visual art forms including photography, film, video and performance. At UCD, Art History is a stimulating and richly rewarding subject that explores the aesthetic and stylistic, the historical and critical elements of visual art.

What will I study?

The student of Art History will study images and patterns, systems of formal analysis such as composition, style and iconography, technical materials, and contextual issues of patronage and history. Modules can include:

First Year

Tools of Art History • Giotto to Michelangelo • Caravaggio to Turner • Art & The Modern World

Second & Third Year

Modernism • The Art & Architecture of Classical Antiquity • Irish Painting • Modern Architecture • Dutch Art • 20th Century Irish Art • Irish Medieval Art & Architecture • European Court Culture • Northern Renaissance • Art & Revolution in the 20th century • The Decorative Arts • Grand Tour • Berlin

Students attend lectures, tutorials and seminars, and undertake independent study. Some classes are conducted in museums and galleries in Dublin, and field trips abroad are arranged.

A combination of end-of-semester written examinations and continuous assessment is used. In your final year you may also prepare a minor dissertation.

Career & Graduate Study Opportunities

Graduates in Art History have found the subject has diverse applications and can lead to employment opportunities in:

Museums and galleries • Cultural and heritage sector • Education and academia • Media, journalism and publishing • Auction houses • Archives

UCD offers two taught master's degrees for suitably qualified graduates: the Master's in Art History and the Master's in Cultural Policy & Arts Administration, as well as the opportunity to pursue doctoral research, all of which provides further possibilities for careers in the arts.

International Study Opportunities

Opportunities to study abroad may include:

- Universität Wien, Austria
- Université Panthéon-Sorbonne, France
- Università degli Studi di Roma III, Italy
- Universidad Autónoma de Madrid, Spain
- Université de Lausanne, Switzerland
- University of Lund, Sweden
- University of Nottingham, UK
- University of California, USA
- University of Otago, New Zealand
- Waseda University, Japan

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 70

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
English, Archaeology, Sociology, Geography and History

Review the subjects you can study with Art History. See page 35

Other courses of interest

International Languages	→50
History	→48
Classics (Greek & Roman Civilization, Latin, Greek)	→39
Archaeology	→36

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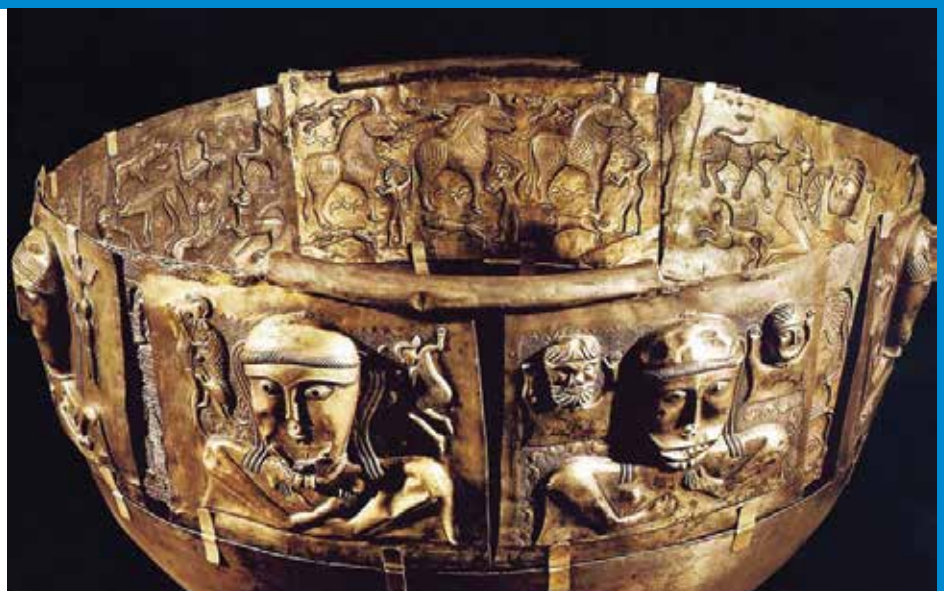
Celtic Civilization (incorporating Early Irish and Welsh)

BA (Hons) (NFQ Level 8)



CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 25

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations: History, Greek and Roman Civilisation, Irish Folklore, English and Art History. Early Irish and Welsh can be studied as part of Celtic Civilization, or as electives.

Review the subjects you can study with Celtic Civilization. See page 35

Other courses of interest

Irish	→51
Irish Folklore	→52
Irish Studies	→53

Why is this course for me?

Celtic Civilization enables students to form an overview of the history, literature, language and culture of the Celts over the centuries. No knowledge of the Celtic languages is required, but students, if they choose, may get an introduction to Early Irish, Medieval Welsh, Modern Welsh and Breton.

Many of the Celtic Civilization modules are good choices as electives for those interested in Celtic culture in Ireland and beyond.

What will I study?

Celtic Civilization

The Celtic Civilization programme includes a choice of specifically designed Celtic modules and a choice of relevant modules from other subjects. This gives an opportunity to get a broad overview of Celtic culture but also explore specific aspects of interest.

First year modules introduce:
The ancient Celts and their religion and mythology • Early Medieval Ireland, its history and institutions • The history of the British Celts • Medieval Welsh literature • Vikings in the Celtic World

Welsh

Welsh is the most widely spoken of the modern Celtic languages, and ideal for students wanting to learn a new language at university level. Students gain a working knowledge of the language and can combine this with Celtic Civilization courses on the culture and literature.

Early Irish

You will have the opportunity to study Early Irish at a basic level in order to become familiar with the main features of the language. You will also read examples of texts, both prose and poetry, thereby gaining an insight into the riches of the language and literature of early medieval Ireland. No previous knowledge of Irish is required.

Career & Graduate Study Opportunities

This degree provides the skills that will allow you to follow a wide range of graduate studies as well as career opportunities in:

- Heritage
- Research
- The media
- Teaching
- Business

Courses also prepare students for graduate studies in a wide range of linguistic, historical and literary fields.

International Study Opportunities

Celtic Civilization has links with several universities, which allows students to take an Erasmus year abroad in a range of European universities and destinations, including:

- Oslo, Norway
- Aberystwyth, Wales
- Bangor, Wales

www.ucd.ie/**myucd/ahss**

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UCD School of Irish, Celtic Studies & Folklore
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"Greek and Roman Civilization provided me with an opportunity to explore the society, literature, history and archaeology of ancient Greece and Rome. I particularly enjoyed the range of topics on offer which allowed me to gain a broad and extensive knowledge of the ancient world, which complemented my studies in Archaeology. The excellent standard of teaching and approachable staff meant that I thoroughly enjoyed my undergraduate experience, so much so that I signed up for the MA programme when I finished my BA."

Maeve McHugh Graduate

Corinthian vases from the UCD Classical Museum at UCD

Classics
(Greek & Roman Civilization, Latin and Greek)

BA (Hons) (NFQ Level 8)

Why is this course for me?

As so much of European culture looks back to Classical Antiquity, studying Classics will give you insights not just into the ancient past but also into the ideas and texts that shaped the present. Three subjects are offered within the BA degree, which you can take separately or combine:
Greek & Roman Civilization • **Latin** • **Greek**

Greek & Roman Civilization explores the Classical World, through history, literature, art, archaeology, mythology and philosophy. You do not need any previous knowledge of the subject, nor will you have to learn the ancient languages.

Latin and **Greek** allow you to learn a language from scratch or develop your existing knowledge. Learn to read works by authors such as Cicero, Homer, Ovid, Plato, Sophocles and Virgil, in their original languages.

What will I study?

GREEK & ROMAN CIVILIZATION

First Year

Introductions to the literature and history of ancient Greece and Rome, and to classical myth and classical art and archaeology

Second & Third Year

Alexander the Great • Virgil's Aeneid • Augustan Rome • Archaeology of Athens • Cicero's Speeches • The Oedipus Myth • Pompeii • Greek Tragedy • Eating & Drinking in Antiquity • Family Life in Ancient Greece
There is also the opportunity at the end of first or second year to go to Greece on our study tour.

LATIN

You can begin the study of Latin in first year, or develop existing knowledge from Leaving Certificate or equivalent, through modules on language, literature and culture. Authors studied include Virgil, Cicero, Tacitus, Ovid and Livy.

GREEK

We offer a language programme for beginners leading to the study of authors such as Homer, Plato, Lysias, Sophocles, Thucydides and Euripides.

Students attend lectures and tutorials, and undertake independent reading and study. Some modules are taught in small classes. Assessment is through class tests, exams and coursework essays.

Career & Graduate Study Opportunities

Graduates have highly valued skills including research and data analysis, presentation and discussion of opposing viewpoints, and writing English to a high standard. Graduates have pursued various careers, such as: Advertising • Broadcasting • Journalism • Teaching • IT • Law • Business

You can continue your study of the ancient world at UCD, with a taught MA in Classics and a research degree – MLitt or PhD. For details, see **www.ucd.ie/classics/postgraduateprogrammes**.

International Study Opportunities

UCD School of Classics has links with the Universities of Athens, Catania, Cyprus, Erlangen, Stuttgart and Rouen. Non-EU exchange opportunities include the University of Melbourne, Australia and the University of Virginia, USA.

KEY FACT

The Classical Museum at UCD holds the largest collection of Greek and Roman artefacts on display in Ireland. Students taking relevant modules have the opportunity for hands-on interaction with the collection.

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 125

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Popular Subject Combinations: English, History, Archaeology, Geography and Philosophy.

Review the subjects you can study with Classics. See page 35

Other courses of interest

Italian →54
Spanish →63
History →48
Archaeology →36

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Economics

BA (Hons) (NFQ Level 8)

CAO Code **DN510** Single Honours

CAO Points Range 2015 485—565
Length of course 3 years
DN510 Places 20

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585
Length of course 3 years
DN500 Average Intake 285

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes (DN500 only), see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route Yes, see page 188

Option to take a single honours degree after First Year Yes

Special Entry Recommendation
You do not have to have taken Economics in secondary school or in the Leaving Cert. We strongly recommend that you study Economics only if you have at least a grade O3/H4 in Leaving Certificate Mathematics or equivalent. (NB H4 will be mandatory from 2018). Students who have obtained less than O3 in ordinary level will be required to pass a specified "Level 0" module offered by the School of Mathematics and Statistics prior to taking our core module Introduction to Quantitative Economics.

Other courses of interest

Social Science	→65
Economics & Finance	→88
Commerce	→84
Law with Economics	→75
Actuarial & Financial Studies	→122

www.ucd.ie/**myucd/ahss**

Professor Karl Whelan of the UCD School of Economics speaking with students

"Studying joint honours in Economics and Politics has given me great opportunities. I have such a wide range of modules to choose from. I chose economics because I was good at maths in school. Outside of my academic programme, I am the secretary of the Literary & Historical Society which has allowed me to travel, meet incredibly interesting people, and run events for the student population. I hope to do a masters in Applied Economics in UCD, and then work in an advisory role in government or a financial institution."

Roisin O'Gara Current Joint Honours Economics student

Why is this course for me?

Economics explores how people (consumers, business owners, public servants and politicians) make decisions, and how they choose between alternative ways of spending their money and using their skills, energy and time in a wide range of human endeavours. Studying economics can help to shed light on decision-making in many diverse areas of life, from love and marriage to sports and crime.

Economics can be taken as either a single honours degree under DN510 or as joint honours degree under DN500. The most popular subjects studied with Economics are Politics, Geography, Mathematics and Statistics, Sociology and History.

What will I study?

The curriculum for the single honours Economics degree (DN510) is on the opposite page.

The joint honours curriculum is designed to introduce and develop an understanding of the key concepts and tools of economics.

First Year

In first year, the focus is on introducing the study of economics along with principles of Microeconomics and Macroeconomics, and developing maths skills (4 modules in total).

Second & Third Year

In subsequent years, the foundations are built upon to show how economics is applied in a variety of contexts. Core modules will include intermediate and advanced courses in Microeconomics and Macroeconomics, Linear Algebra & Optimisation, Econometrics, Irish Economy and a selection of options drawn from Economic Policy Analysis, Labour Economics, Transport Economics, Game Theory, European Economy, International Money and Banking, Behavioural Economics, Achieving the Sustainable Development Goals, Economics of the Environment, International Trade, Health Economics, Financial Economics, Econometrics of Financial Markets.

Students attend lectures and participate in small group tutorials to work on problem sets. A combination of end-of-semester written examinations and continuous assessment is used. Continuous assessment may include midterm examinations, projects, essays and oral presentations.

Career & Graduate Study Opportunities

Graduates with a degree in Economics are well placed for a range of employment opportunities in both private and public sectors, including banking, finance, accounting, management consultancy, broadcasting, business, journalism, teaching and communications.

Many students pursue graduate study in economics leading to masters and PhD degrees. Postgraduate qualifications are necessary to work as a professional economist. The School of Economics offers MSc graduate programmes aimed at further developing analytical and professional skills (see www.ucd.ie/economics/graduateprogrammes).

Graduate programmes in business usually admit economics graduates directly to their degree programmes without requiring conversion courses.

International Study Opportunities

Student exchanges in Economics are available with the following universities:

- Tilburg, the Netherlands
- Namur, Belgium
- La Sapienza, Rome, Italy

Students can apply for places at a very large number of partner universities that have exchange agreements with UCD such as

- University of California , Santa Cruz
- University of California, Berkeley
- University of Melbourne

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UCD Single Honours Economics Degree (DN510)

Year 1 — Syllabus for Year 1

Semester 1

- Principles of Microeconomics
- Exploring Economics
- Introduction to Quantitative Economics
- Data Analysis for Economists

Semester 1: Plus Two Subjects from

- Calculus 1 (MST10010)
- Foundation of Political Theory & International Relations (INRL10010) or Foundations of Contemporary Politics (POL10160)
- Introduction to Sociology (SOC10020)
- Geographical Perspectives: Society and Environment (GEOG10110)

Semester 2

- Principles of Macroeconomics
- Economics and Society
- Statistics for Economists
- Economic History
- Plus One Elective Module

Semester 2: Plus Two Subjects from

- Linear Algebra 1 (MST10030)
- Foundation of Political Theory & International Relations (INRL10010) or Foundations of Contemporary Politics (POL10160)
- Ireland in Comparative Perspective (SOC10060)
- Geography of Cities (GEOG10020) or People, Places, Regions (GEOG10100)

Year 2 — Syllabus for Year 2

Semester 1

- Intermediate Microeconomics 1
- Linear Algebra and Optimisation for Economics
- Econometrics
- Plus One Elective Module

Semester 1: Plus Two Subjects from

- Irish Economy
- Economic Policy Analysis
- Labour Economics
- Transport Economics
- One module from Stage 2 Geography, Mathematics, Politics or Sociology.

Semester 2

- Intermediate Microeconomics 2
- Intermediate Macroeconomics
- Economics Research Group 1
- Plus One Elective Module

Semester 2: Plus Two Subjects from

- European Economy
- Game Theory
- Achieving the Sustainable Development Goals
- International Money and Banking
- Behavioural Economics
- One module from Stage 2 Geography, Mathematics, Politics or Sociology.

Year 3 — Syllabus for Year 3

Semester 1

- Advanced Microeconomics
- Advanced Econometrics
- Economic Research Group 2
- Plus One Elective Module

Semester 1: Plus Two Subjects from

- Industrial Economics
- Economics of Public Policy
- Labour Economics
- Transport Economics
- Irish Economy
- Economic Policy Analysis
- One module from Stage 2 Geography, Mathematics, Politics or Sociology.

Semester 2

- Advanced Macroeconomics
- Economic Project
- Plus One Elective Module

Semester 2: Plus Two Subjects from

- Industrial Economics
- Economics of Public Policy
- Labour Economics
- Transport Economics
- Irish Economy
- Economic Policy Analysis
- One module from Stage 2 Geography, Mathematics, Politics or Sociology.

English

BA (Hons) (NFQ Level 8)

CAO Code **DN511** Single Honours

CAO Points Range 2015 425—545

Length of course 3 years

Average Intake 15

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 325

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes (DN500 only) , see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route Yes, see page 188

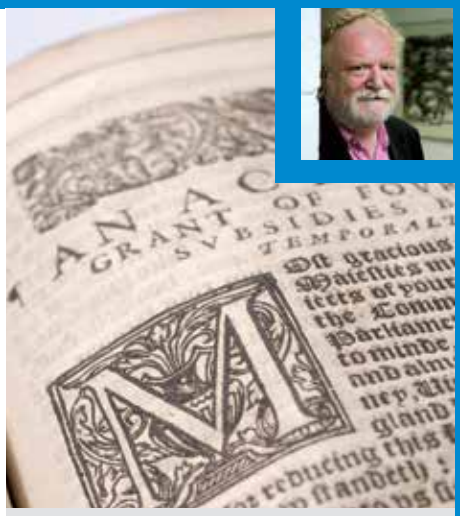
Option to take a single honours degree after First Year Yes

Popular Subject Combinations: History, Film Studies, Drama, Geography, Philosophy, Sociology and Greek & Roman Civilisation

Review the subjects you can study with English. See page 35

Other courses of interest

Drama Studies →43
English with Film →44



This book, printed by the Society of Stationers (Dublin) in 1635, is held in the Special Collections of the UCD James Joyce Library.

"Professor Frank McGuinness has lectured in the UCD School of English, Drama & Film since 1997. He has published widely on Irish literature and theatre. His internationally acclaimed body of work includes 22 original plays, 18 adaptations spanning Sophocles, Ibsen and most recently Joyce screenplays, and five volumes of poetry. He has also produced work for film and television, has been nominated for two BAFTAs and won a Tony Award for his version of Ibsen's A Doll's House. His teaching interests include the Art and Practice of Stagecraft, American Theatre, Gender Studies, Theatre Directing, the Novella and Irish Theatre."

Professor Frank McGuinness,
UCD Writer-in-Residence

Why is this subject for me?

Study English at UCD if you are an enthusiastic reader, talker and writer, and love literature. Strengthen your understanding of narrative, poetic and dramatic forms. Enlarge your critical vocabulary and historical awareness. Explore how the study of literature intersects with questions of gender, politics and cultural theory. Learn how to research a topic, evaluate evidence and present your ideas in a cogent, elegant fashion. Become a creative and dynamic critic yourself!

What will I study?

You will study themes, forms, theories and contexts of literature from around the world and from Anglo-Saxon to contemporary times, choosing from around 60 modules. Modules include:

First Year
Literature in Context 1 & 2 • Contemporary Irish Writing • Literary Genre

Second & Third Year
Medieval Literature • Critical Theory • Renaissance Literature • Romantic Literature • Irish Literature • American Literature • Victorian Literature • Reading *Ulysses* • Shakespeare from Stage to Screen • Fin de Siècle • Gothic & Gothick • Talking Animals • Modern American Poetry • The Modernist Novel • Sex, Politics & the Irish Stage

Students attend lectures, tutorials and workshops, and undertake independent study. Assessment is through end-of-semester written examinations and continuous assessment, such as written assignments, presentations and group projects. In third year, students attend small group seminars, which are predominantly assessed via an end-of-semester written assignment.

Career & Graduate Study Opportunities

Graduates in English have found employment as writers and dramatists, and in areas including: Journalism and broadcasting • Research and administration • Civil service • Education • Business • Advertising and Public Relations • Tourism

English offers a wide range of master's programmes **(www.ucd.ie/englishanddrama/graduatestudies)** and opportunities for PhD study. One-year full-time MA programmes include:

American Literature • Anglo-Irish Literature & Drama • Creative Writing • Directing for Theatre • Drama & Performance Studies • Playwriting • Film Studies • Gender, Sexuality & Culture • Medieval Literature & Culture • Modernity, Literature & Culture • Renaissance Literature & Culture

International Study Opportunities

Opportunities may include: Albert-Ludwigs-Universität, Freiburg, Germany • Université Sorbonne (Paris IV), France • University of Turin, Italy • University of Verona, Italy • University of Amsterdam, the Netherlands • University of Coimbra, Portugal • University of Barcelona, Spain • University of British Columbia, Canada • University of Miami, USA • University of Otago, New Zealand • University of California, Davis

www.ucd.ie/**myucd/ahss**

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"Studying Drama has given me the confidence to focus on a career in the theatre. Any aspiring theatre-maker must have a comprehensive knowledge of playwrights, theorists and practitioners, which this course provides. The Drama staff are some of the best educators in the country. They are supportive, knowledgeable and passionate about their work, and they bring diverse experience and considerable patience to the classroom. If you are enthusiastic about drama, you will thrive here."

Eppie Claffey UCD Drama Student

Image from "Flawless" UCD Performance Project, 2016; student Eppie Claffey.

Drama Studies

BA (Hons) (NFQ Level 8)

CAO Code **DN500**

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 50

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Why is this course for me?

The Drama Studies Programme is for students who are interested in learning about theatre and performance in theory and practice. Drama Studies has a range of modules that bring together scholarly, creative, and practical "on-your-feet" tasks and assignments. Drama Studies educates students in the history and practices of theatre and performance, in current theoretical methods and approaches to research and analysis of theatre and performance, and in a wide range of generic, historical, national and international traditions.

What will I study?

In Drama Studies, students will study theoretically and practically a range of performance genres from classical Greek plays to contemporary Irish and international theatre and performance.

Drama Studies Modules include:

First Year

The Theatrical Event: Case Studies in Making Theatre • Theatre Context & Conventions • Introduction to Physical Theatre

Second Year

Performance in Everyday Life • Contemporary Ireland on Stage • 20th Century Drama • Staging Performance • Queer Theatre and Performance

Third Year

Contemporary Theatre and Performance • Beckett in Performance • Theatre of Martin McDonagh • Research Project • Performance Project • Staging Texts • Revolutions in Twentieth-Century Theatre • Educational Drama and Augusto Boal

Students attend lectures, tutorials and workshops, participate in group work and undertake independent study. Years one and two introduce students to fundamental theoretical and practical skills for research and analysis in Drama Studies. In year three students build on this knowledge and are invited to pursue more specialized interests. For example, current offerings at third year include two 10 credit modules that provide students opportunities for intensive study: Performance Project auditions to create a student ensemble and a production working with a professional director, and Research Project invites students to write on a research topic of their choice with individual staff supervision.

Career & Graduate Study Opportunities

Drama Studies will develop your knowledge of theatre and performance, and hone and enhance your research and writing skills, through academic and practical study. A degree in Drama Studies will develop your presentation, teamwork, performance, and analytical skills, allowing you to pursue careers in the following areas:

Theatre (writer, director, actor, dramaturge, producer, theatre and cultural management) • Theatre Industry/Tourism (advertising, public relations) • Education (teaching, research, and educational drama) • Journalism and broadcasting

Master's programmes are offered in specialised areas of Drama and Performance Studies and a collaborative MA in Theatre practice, jointly offered by UCD and The Gaiety School of Acting (www.ucd.ie/englishanddrama/graduatestudies/). PhD options are also available.

International Study Opportunities

Opportunities may include:

- Albert-Ludwigs-Universität, Freiburg, Germany
- Université Sorbonne (Paris IV), France
- University of Turin, Italy
- University of Verona, Italy
- University of Amsterdam, the Netherlands
- University of Coimbra, Portugal
- University of Barcelona, Spain
- University of British Columbia, Canada
- University of Miami, USA
- University of Otago, New Zealand

Other courses of interest

English →42
English with Film →44

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English with Film

BA (Hons) (NFQ Level 8)

One of the first Hollywood stars to be promoted as Irish, the 1920s 'flapper' Colleen Moore, reminds us of the long history of representational traffic between the US and Ireland.

Diane Negra earned her PhD at the University of Texas at Austin, and is a specialist in critical and cultural studies of media. She has published widely on film, television and popular culture and is the author, editor or co-editor of ten books. A former Fulbright Scholar, a member of The Royal Irish Academy, a recipient of numerous research grants and a former member of the Society for Cinema and Media Studies' Board of Directors, Professor Negra is Co-Editor of the journal *Television and New Media*. Her interest in taken-for-granted genres extends to her teaching at UCD, where she offers a seminar entitled Chick Flicks: Women and Hollywood Storytelling.

Professor Diane Negra Lecturer

CAO Code **DN513**

CAO Points Range 2015 420—570

Length of Course 3 Years

DN513 Places 40

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest

English →42
Drama Studies →43

Why is this course for me?

Media literacy is a vital 21st century skill and the cultivation of such literacy stands at the centre of this degree path. Students are encouraged to make connections between literary, cinematic and televisual forms, to deepen their knowledge of screen cultures and, in particular, to ask serious questions about how representation, culture and politics interrelate. If you have a passion for English and media, this degree provides a unique opportunity for you to acquire key interpretive skills and hone your ability to make critically reasoned arguments.

What will I study?

In Film you will study classical and contemporary film and television, and engage with relevant critical writing, building awareness of media in social, cultural, historical and theoretical contexts.

In English you will take courses on the key periods and traditions of writing in English, from Anglo-Saxon to contemporary times. Modules may include:

First Year

Literature in Context 1 & 2 • Perspectives on Film I & II

Second Year

Medieval Literature • Post-War European Cinema • Critical Theory • Horror Cinema • Irish Literature • Hollywood • American Literature • Irish Cinema and Television

Third Year

Film Animation • Shakespeare from Stage to Screen • Contemporary Alternative Cinemas • Gothic & Gothick • Modern American Poetry • Melodrama in Film & Theatre • Whiteness, Ethnicity & American Film • History of Television • Reading *Ulysses* • Screen Comedy

Students attend lectures and tutorials and may undertake independent study.

Assessment is through end-of-semester written examinations and continuous assessment, such as written assignments, presentations and group projects. In third year, students attend small group seminars, which are predominantly assessed via an end-of-semester written assignment.

Career & Graduate Study Opportunities

Graduates have pursued careers in every strand of media and media culture, including film festivals and arts curation, archive work, education (schools and universities), media journalism and television and film production. Graduate study opportunities include MA and PhD degree programmes in specialised areas of Media Studies.

International Study Opportunities

Opportunities may include:

- Albert-Ludwigs-Universität, Freiburg, Germany
- Université Sorbonne (Paris IV), France
- University of Turin, Italy
- University of Verona, Italy
- University of Amsterdam, the Netherlands
- University of Coimbra, Portugal
- University of Barcelona, Spain
- The University of British Columbia, Canada
- University of Miami, USA
- University of Otago, New Zealand

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"Studying French at UCD has been a truly rewarding experience. I always looked forward to classes as I knew I was going to learn something new. The lecturers and tutors are very friendly and are more than willing to help with any questions you might have. I thoroughly enjoyed my Erasmus year in Lyon, which helped me gain fluency in the language while making lifelong friends of different nationalities."

Germaine Fagan Graduate

French

BA (Hons) (NFQ Level 8)

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course BA Hons (3 Years)
BA Intl (4 Years, including one year of study abroad)

Average Intake 125

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route
Yes, see page 188

Special Entry Recommendation
We recommend that you study French, only if you have at least a H4 grade in Leaving Certificate French, or equivalent.

Popular Subject Combinations:
English, Irish, Economics, Politics and Spanish

Review the subjects you can study with French. See page 35

Other courses of interest

International Languages →50
Commerce International →86

Why is this subject for me?

In studying French at UCD, you will: develop your communication skills and critical thinking by exploring the language and cultures of France and other French-speaking countries; broaden your understanding and command of a language that is both European and global; and equip yourself for today's increasingly diverse society and workplace by enhancing your cultural awareness and intellectual flexibility.

Opportunities exist for suitably qualified students to spend an extra year abroad and graduate with a BA (International). If you wish to reach the level of linguistic proficiency required by employers, we recommend that you opt for the four-year BA (International) degree. Alternatively, if you wish to study more than one language, with a year abroad, consider DN541 International Languages (see page 50).

What will I study?

You will study the French language and French and francophone literature and culture, developing your linguistic and critical skills across a three-year or four-year degree.

First Year

Foundations in Language and Literature: French Language Ia & Ib • Reading French 1 & 2

Second Year

Expanding Linguistic and Critical Skills: French Language IIa & IIb • Option modules

Third Year

Deepening Linguistic and Cultural Awareness: French Language IIIa & IIIb • Option modules

Sample option modules:
Baudelaire • The Realist Novel • Proust • Contemporary French Poetry • Versailles • Reading Racine's Women • Second Language Acquisition • Introduction to the Enlightenment

French is taught in lectures, classes and through independent study.

Assessment is by continuous assessment, in-class tests, mid-semester written assignments, project work and end-of-semester exams.

Career & Graduate Study Opportunities

The communication skills, critical awareness, cultural sensitivity and intellectual flexibility fostered by the study of French open up a wide range of careers, including:

International business • International relations • Public administration • Education • Translation and interpreting • Journalism and media • Tourism • Careers in the EU

A BA in French may also lead to further study, such as the UCD MA in Modern Languages, or other programmes such as European studies, international relations or translation.

International Study Opportunities

Students of the Joint Honours degree, DN500, are encouraged to apply to spend an additional year abroad at one of our 13 partner universities across France, Belgium, Switzerland and Canada, graduating with a four-year BA (International). Places may be limited and preference will be given to those with better results.

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German

BA (Hons) (NFQ Level 8)

Hohenzollernbrücke Köln (Cologne)

"Studying German at UCD has shaped the best few years of my life so far. I chose from an extensive range of interesting and diverse modules that intensified my interest in German culture. I spent an incredible and eye-opening year on Erasmus. My language classes at UCD enabled me to adapt quickly to speaking German constantly while abroad and I was soon able to speak fluently enough to work there without any language difficulties. The degree has opened a huge spectrum of opportunities to me: language skills are much in demand for many jobs both abroad and in Ireland. Since fewer Irish students choose to study German, there is less competition amongst German-speaking candidates like me!"

Laura Cater Student

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course BA Hons (3 Years)
BA Intl (4 Years, including one year of study abroad)

Average Intake 55

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route Yes, see page 188

Special Entry Recommendation
In first year, two streams are offered: one for absolute beginners, and another for non-beginners. For the non-beginners' level a minimum of H4 grade in Leaving Certificate German, or equivalent, is strongly recommended.

Popular Subject Combinations: English, Economics, Politics, Music and French

Review the subjects you can study with German. See page 35

Other courses of interest

International Languages →50
Commerce International →86

Why is this subject for me?

German is the most widely spoken first language in Europe, and, in economic terms, Germany's strength is undisputed. Studying German therefore offers an array of cultural and business opportunities. Our teaching involves not only the language, but also the arts and culture of the German-speaking countries, equipping graduates with valuable intercultural understanding and key transferable skills.

Opportunities exist for suitably qualified students to spend an extra year abroad and graduate with a BA (International). If you wish to reach the level of linguistic proficiency required by employers, we recommend that you opt for the four-year BA (International) degree. Alternatively, if you wish to study more than one language, with a year abroad, consider DN541 International Languages (see page 50).

What will I study?

Core language and introductory literature modules are studied each year, as well as a range of modules in literature, history, translation and culture. Examples of modules include:

First Year

German Language • German Language for Beginners • Introduction to German Literature • Introduction to German Linguistics & Translation

Second & Third Year

German Language (including Intensive German for Ex-Beginners) • 19th Century German Literature • Modernist German Literature • Translation English-German & German-English • Grimms' Tales and Adaptations • German-speaking Enlightenment • Contemporary German Prose • Europe: Conflict & Co-operation

German is taught in lectures, classes and through independent study and recommended reading. Project work or group work may also feature.

Most modules have one major assessment component such as an essay or an examination paper, plus one or more smaller continuous assessment components.

Career & Graduate Study Opportunities

German is a passport to global careers. Our graduates have found lucrative employment in many different areas including:

Advertising/Business/Finance • Civil/Diplomatic service • International relations • Journalism • Politics • Teaching • Translation • Academia and research • Careers in the EU

A BA in German is an ideal pathway to graduate study. Our graduate programmes include the MA in Modern Languages, MA in Applied Linguistics, MA in European Regional & Minority Cultures and MLitt in German. We also offer supervision for doctoral research in a range of specialised areas.

International Study Opportunities

The additional year abroad for the BA International can be spent at one of the following of our partner institutions:

Bayreuth • Berlin (FU) • Bozen (South Tirol) • Erlangen • Graz • Konstanz • Leipzig • Münster • Munich • Potsdam • Vienna • Würzburg

Places may be limited and preference will be given to those with better results.

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"Geography is an engaging subject due to its breadth, diversity and its relevance to the world around us. Classes are enjoyable, the staff are really helpful and Geography seems to attract a broad range of students from different backgrounds, meaning I befriended people from every walk of life imaginable."

Dylan Connor PhD Candidate, UCLA

UCD Geography students exploring the urban environment

Geography

BA (Hons) (NFQ Level 8)

Why is this subject for me?

Are you interested in pressing global, national and local issues such as climate change, inequality, migration, urbanisation and hazard management? Do you want to make sense of our highly complex world and become an informed global citizen? Do you want to learn IT, field and laboratory techniques highly valued by employers such as Geographical Information Systems (GIS)?

By studying Geography in UCD, you will understand the context in which environmental, socio-cultural and politico-economic decision-making takes place and develop skills that prepare you for the workplaces and societies of tomorrow.

What will I study?

First year provides the foundations for later years. Sample modules on offer may include:

First Year

Geographical Perspectives: Society and Environment • Earth Systems • People, Places and Regions • Introduction to the City

Second Year

Geographical Research Techniques • Fluvial Geomorphology • Quaternary Environmental Change • Political Geography • World Urbanisation • Globalisation: Regional and World Economy • Climatology

Third Year

Modules include:
Ideas in Geography • Geographic Information Systems • River Catchment Management • The Quaternary of Ireland • Planetary Geomorphology • Techniques and Fieldwork in Geomorphology • Political Geography of EU Integration • US Foreign Policy • Development Geographies • Creative Destruction • Environmental Management

Geography is taught through lectures, tutorials, labs and fieldwork and includes significant independent reading and study. Some modules have an online component.

Assessment is generally a combination of continuous assessment, tutorial or laboratory participation and end-of-semester exams.

You study Geography as a two-subject degree. [Go to Page 35 for subjects you can combine with Geography.]

Career & Graduate Study Opportunities

Employers value the ability of Geography graduates to investigate, analyse, critique and interpret complex phenomena. Their combination of spatial understanding and technical skills makes geography graduates especially attractive to prospective employers. Competency in Geographical Information Systems (GIS) in particular is in increasing demand across the private and public sectors. UCD Geography graduates have found employment as:

- Educators at primary and second level, as well as in high-profile national and international universities
- Social science researchers and policy analysts with Teagasc, ESRI, NGOs and government departments
- GIS specialists working, for example, with the Local Government Management Agency
- Planners in both local government and private sector consultancies

Many Geography graduates continue with further study of their discipline or proceed directly to master's degrees in social sciences, law, or business.

International Study Opportunities

International opportunities have included exchanges to:

- Barcelona, Spain
- Stockholm, Sweden
- Pisa, Italy
- Melbourne, Australia
- Chicago and Santa Barbara, California, USA

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 280

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
History, Sociology, English, Economics and Irish

Review the subjects you can study with Geography. See page 35

Other courses of interest

Social Science	→65
Planning, Geography & Environment	→151
Landscape Architecture	→150

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History

BA (Hons) (NFQ Level 8)

CAO Code **DN515** Single Honours

CAO Points Range 2015 395—485
Length of course 3 Years
DN515 Places 15

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585
Length of Course 3 Years
Average Intake 350

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, (DN500 only)
see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route Yes, see page 188

Option to take a single honours degree after First Year Yes

Popular Subject Combinations:
English, Politics, Geography, Greek & Roman Civilisation and Sociology

Review the subjects you can study with History. See page 35

Other courses of interest

Law with History →76
Politics & International Relations →59

FitzGerald Photographs, P80-PH-02

"Studying history at UCD has been a thoroughly enjoyable experience. It has exposed me to how societies and people behave in different circumstances and deepened my understanding of current social and political problems.

The ten-credit module system has been a particular highlight for me. In third year I had the chance to explore an area of history that I had never studied before. I found the experience immensely interesting. Additionally, by researching the area thoroughly I was able engage in the historiography and form my own opinions on popular myths. Studying history has provided me with many transferable skill that are applicable in any profession. I have mastered the ability to interpret and analyse complex information and am confident in undertaking extensive research. These are skills that are applicable in any profession."

Jessica Condon Graduate

Why is this subject for me?

Knowing what happened and why is essential in life. Studying History at UCD provides you with the skills necessary to understand the world we live in. Explore the past, examining a wide range of periods and topics that cover many parts of the globe. Study controversies and different ways that the past can be understood. Learn how to research, use evidence and think critically, and develop the transferrable skills desired by employers. Please note that it is not essential to have studied History at Leaving Certificate.

What will I study?

First year focuses on broad historical surveys and developing core skills. Second and third year deepen these skills and offer greater choice, including over 30 optional modules.

First Year
Rome to Renaissance • Modern Europe 1500–2000 • Ireland's English centuries • From Union to Bailout

Second Year
Modern America, 1776–1945 • War and Peace in the 20th Century • Islam & Christianity • Medieval Ireland • Early Modern Europe • The Russian Revolution • Northern Ireland 1920-2010 • The French Revolution • British Empire

Third Year
Third year is dedicated to small class teaching and the in-depth study of options that best fit the interests of every student. Optional modules include subjects as diverse as the De Valera's Ireland, Tudor England, Nazi Germany, Italy since 1943, United States 1960-1980, Modern Japan, Making Australian History, Renaissance Florence, as well as the history of sexuality, slavery, crime, religion, medicine and sport.

Students attend lectures and seminars where small groups discuss and debate historical questions with tutors.

Assessment is through end-of-semester research papers and continuous assessment.

Career & Graduate Study Opportunities

History graduates can find employment in: Broadcasting and journalism • Business • Civil service • Law • Publishing • Public Relations • Politics • Research • Teaching • Marketing • Policymaking • Tourism • Heritage

The School of History, in collaboration with UCD Careers Development Centre, operates a Career Mentoring Scheme which matches final year History students with experienced professionals who are former graduates of the School. The mentors are able to offer support in helping students to develop their career ideas and enhance their employability.

Graduates are also eligible to apply for UCD MA programmes in History, which include specialisms in Irish, European, International and Medieval History and History of Welfare and Medicine in Society.

International Study Opportunities

International Study Abroad Opportunities
International study opportunities for History students currently include universities in the following countries :

- Austria
- Cyprus
- Denmark
- France
- Germany
- Italy
- Norway
- Spain
- UK in addition to:
- University of North Carolina at Chapel Hill, USA
- University of New South Wales, Australia

www.ucd.ie/**myucd/ahss**
historyhub.ie

Undergraduate Office
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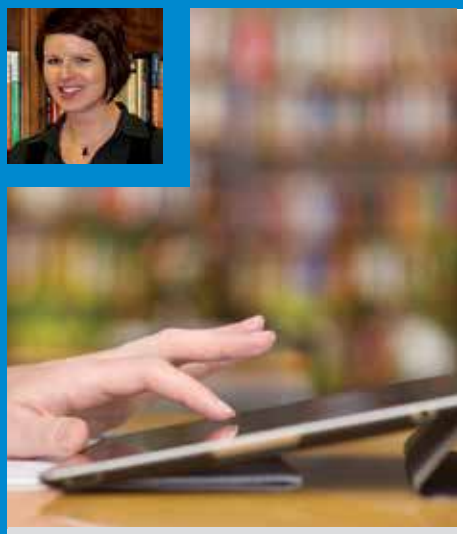
@UCDHistory

"Information and Social Computing gives you a chance to really explore the influence of information in all aspects of everyday life – in society, in business, and in government. My undergraduate studies gave me a unique perspective into marketing as the communication of information through different channels. My current role as Marketing Manager of an Irish technology startup involves structuring information for digital marketing using social media, web publishing, and content creation. I design layout, write content, and structure campaigns to communicate information to our potential customers, and my background in Information and Social Computing has been essential for this."

Michelle Brien Graduate



Students evaluate the impact of new and emergent information technologies.

Information & Social Computing

BA (Hons) (NFQ Level 8)

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 130

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Popular Subject Combinations:
Economics, Sociology, Geography, English and Linguistics

Review the subjects you can study with Information & Social Computing. See page 35

Other courses of interest

Social Science →65

Why is this subject for me?

Information plays a key role in all aspects of life – in business, government, society and the life of the individual. Knowing how to create, manage, share, find and use digital information is more relevant than ever before. Information and Social Computing gives you a chance to explore the ways companies such as Facebook, Twitter, Intel, Google and Apple utilise the interplay of people, information, technology and social structures to succeed in today's digital world.

What will I study?

First Year

Choose from:

Introduction to Information & Social Computing • Information Design • Digital Judgement: Truth, Lies & the Internet • Information Society.

Second Year

Examples of available modules include:

Social Computing & Media • Social Studies of ICTs • Information & Collaboration in Organisations • Computer-Mediated Communication

Third Year

Examples of available modules include:

Web Publishing • Information Architecture: Designing the Web • Creating & Publishing Digital Media Content • Current Trends in Social Computing • Managing Information Technology for Information Professionals

Students also have the option of taking some modules in computer science. Students attend lectures and tutorials and undertake independent study and project work.

Assessment is through a combination of end-of-semester written examinations and continuous assessment, including a wide variety of digital projects, such as blogging and writing smartphone applications.

Information and Social Computing is studied as part of a two-subject degree. [Go to Page 35 for subjects you can combine with Information and Social Computing.]

Career & Graduate Study Opportunities

Information & Social Computing is relevant for careers in:

Web design and development • Knowledge management • Social media • Social computing • User experience design • Investigative research • Publishing • Librarianship • Digital marketing • Business

Graduates can progress to the Master of Information Systems (MSc), which prepares students for careers in human-computer interaction, usability, user experience, user research and Information Systems related professions, or the Master of Library & Information Studies (MLIS), which prepares students for careers including librarianship, information consulting and digital media management. They can also pursue research careers in the form of an MA or PhD.

Graduates can also progress to a Masters of Digital Curation which prepares students for careers in digital curation and data management.

International Study Opportunities

Study abroad opportunities in third year currently include:

- Humboldt University of Berlin, Germany
- University of Copenhagen, Denmark
- Université Jean Moulin (Lyon III), France
- University of Borås, Sweden
- Hochschule Darmstadt (University of Applied Science), Germany

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International Languages

BA (Hons) (NFQ Level 8)

"I have always had a profound interest in the Romance languages and the cultures associated with them. When I found out about the BA in International Languages, I knew it was the right degree for me because it combines the main European languages with their past and present culture and history. The language classes are taught in small groups, creating a very relaxed learning environment where teachers are always available to help you with any problems. The year abroad has not only given my language skills a huge boost but has also broadened my understanding of what it means to be a citizen in the EU nowadays."

Carla Fette Student

CAO Code **DN541**

CAO Points Range 2015 460—580

Length of Course 4 Years

DN541 Places 40

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes None

Level 6/7 Progression Routes None

Mature Entry Route
Yes, see page 188

Special Entry Recommendation
If you choose to study a language at advanced level during your first year, it is recommended that you have at least a H4 grade in that language at Leaving Certificate, or equivalent.

Restricted option choices may apply to the combination German/Spanish, especially in second and final year.

Other courses of interest

Commerce International	→86
French	→45
German	→46
Italian	→54
Spanish	→63

Restricted option choices may apply to the combination German/Spanish, especially in second and final year.

Why is this course for me?

International Languages combines advanced language skills with the literature, history and culture of the countries where these languages are spoken. It also focuses on developing critical faculties and cross-cultural awareness. You can study French, German, Italian or Spanish at an advanced level (post-Leaving Certificate or equivalent), and you can take Italian, Spanish and German as a beginner. Portuguese can be taken on an elective basis. Much of our teaching is in small groups, where you will expand your communication skills and develop as an independent learner. A crucial element of the degree is the year abroad, where you have the unique opportunity to become immersed in another culture.

You will find details in this prospectus of the opportunities available to study French, German, Italian and Spanish, including the opportunity to spend a year abroad. This degree is for those of you who want to concentrate on at least two of these languages, explore the connections between them, spend a year abroad and graduate with a BA (International).

What will I study?

First Year
Modules in two languages, at either advanced or beginner level, as well as:
Two intercultural modules • Choice of modules in linguistics, literature, history and cultural studies • An optional third language

Second Year
One intercultural module • Two main languages • Choice of modules in linguistics, literature, history and cultural studies • An optional third language

Year Abroad
Linguistic, literary, historical and/or cultural courses at the host institution • Continued study of second language

Fourth Year
One intercultural module • Continuation of the languages chosen in second year • Option modules as above

Students spend approximately 15 hours a week attending language classes, lectures and tutorials and 25 hours a week undertaking independent study.

Assessment is through a combination of end-of-semester written and oral examinations, and continuous assessments.

Career & Graduate Study Opportunities

Your excellent knowledge of languages and strong communication, intercultural and analytical skills will open careers in:

- Politics & public service
- Journalism
- Education
- Finance
- Marketing & business
- Creative & media industries
- Translation & interpreting

You will also be well qualified to pursue programmes at MA and PhD level.

International Study Opportunities

Studying abroad is an essential element of this degree. Students are guaranteed an Erasmus exchange place at one of our more than 40 partner universities in Germany, Austria, France, Belgium, Switzerland, Canada, Italy, Spain and South America.

www.ucd.ie/**myucd/ahss**

Dr Sabine Krobb
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"Roghnaigh mé an cúrsa seo, mar go bhfuil traidisiún fíorláidir san ollscoil seo maidir leis an Léann Gaelach. Sa chéad bhliain, déanann tú roinnt mhaith oibre ar do chuid gramadaí, agus forbraíonn tú scileanna labhartha agus éisteachta. Bíonn ranganna teagaisc beaga agat, mar sin, tá sé éasca aithne a chur ar dhaoine eile sa bhliain. An chuid is fearr den chúrsa ná an cúrsa Gaeltachta sa dara agus sa tríú bliain. Caitheann tú seachtain amháin ag déanamh ranganna agus ag blaiseadh an chultúir áitiúil. Is deis iontach í chun do chuid Gaeilge a chleachtadh, agus bíonn an-chraic ag na mic léinn."

Roibeard Ó Leamhna Mac Léinn

mic léinn ar an gcúrsa Gaeltachta i gCorca Dhuibhne

Irish/Gaeilge

BA (Hons) (NFQ Level 8)

Cén fáth go n-oirfeadh an t-ábhar seo dom?

- Má tá suim agat sa Ghaeilge
- Más mian leat barr feabhais a chur ar do chuid scileanna cumarsáide agus teanga
- Más spéis leat cur leis an eolas atá agat ar litríocht agus ar stair na nGael

Tá atmaisféar foghlama bríomhar, scolártha ar fáil sna léachtaí agus sna ranganna teagasic agus tú ag déanamh staidéir ar an nGaeilge, rud a chuirfidh go mór leis an spéis agus leis an taithí atá agat san ábhar. Tabharfaidh na modúil atá ar fáil sa Nua-Ghaeilge léargas duit ar réimsí léinn nua-aimseartha agus stairiúla, idir theanga agus litríocht – Fionn agus na Fianna anuas go dtí TG4 agus go leor eile.

Cad atá i gceist?

I measc na gcúrsaí a chuirtear ar fáil tá:

- Teanga na Gaeilge (idir Scríobh agus Chumarsáid)
- Nualitríocht
- Iriseoireacht na Gaeilge
- Litríocht bhéil
- Teangeolaíocht na Gaeilge
- Litríocht na Gaeilge Clasaicí
- Litríocht na Gaeilge Iarchlasaicí
- Scannánaíocht

Spreagtar rannpháirtíocht sna ranganna beaga teagaisc agus cuirtear deiseanna cumarsáide ar fáil sna ranganna comhrá. Beidh an deis agat, mar sin, feabhas a chur ar do chuid scileanna teanga agus aithne níos fearr a chur ar mhic léinn eile le linn na céime, go háirithe agus tú ag freastal ar an gcúrsa Gaeltachta. Beidh éagsúlacht bhreá measúnaithe i gceist, freisin, idir scrúduithe foirmeálta agus mheasúnú leanúnach.

Deiseanna Gairme agus Staidéir

Iarchéime

- Láithreoir teilifíse, múinteoir ranga, aistritheoir, taighdeoir, cóipeagarthóir, riarthóir san Aontas Eorpach, ateangaire, léachtóir nó iriseoir. Tá mórán deiseanna spreagúla ann i gcomhair céimithe le Gaeilge.
- Tá cáil ar an Nua-Ghaeilge i UCD as feabhas i dtaighde agus i dteagasc fochéime agus iarchéime a chothú agus a chur chun cinn. Tá cúrsaí nuálacha rathúla múinte ar fáil do mhic léinn: MA/ Dioplóma Iarchéime sa Nua-Ghaeilge agus Dioplóma Iarchéime/MA i Scríobh agus Cumarsáid na Gaeilge, mar aon le cáilíochtaí taighde MLitt agus PhD.

Deiseanna Staidéir Idirnáisiúnta

- University of Edinburgh, UK
- Sabhal Mòr Ostaig, University of the Highlands and Islands, UK
- St Mary's University, Halifax, Nova Scotia, Canada.

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 115

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
Geography, History, English, French and Music

Review the subjects you can study with Irish/Gaeilge. See page 35

Other courses of interest

Celtic Civilization →38
Irish Folklore →52
Irish Studies →53

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Irish Folklore

BA (Hons) (NFQ Level 8)

St John's Eve bonfire, Sruth Fada Con/Sruwaddocon Bay, Erris, Co. Mayo Photo by Noreen Barron, 2001 (National Folklore Collection/Cnuasach Bhéaloideas Éireann)

"I teach courses in Irish Folklore at all levels of the BA degree and I'm the student officer for the School of Irish, Celtic Studies and Folklore. I studied Irish Folklore at UCD, before undertaking graduate study in Finland and in Sardinia. I have worked on aspects of contemporary occupational lore and on Irish Traveller traditions, among other subjects, and I contribute regularly to television and radio programmes. Irish Folklore provides a particularly valuable interface between the University and the wider community, and I believe that a study of the subject can enrich your life both at university and also long after you leave."

Bairbre Ní Fhloinn Lecturer

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 25

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
Irish, English, Geography, History and Archaeology

Review the subjects you can study with Irish Folklore. See page 35

Other courses of interest

Archaeology	→36
Celtic Civilization	→38
History	→48
Irish	→51
Sociology	→62
Geography	→47
English	→42

Why is this subject for me?

The study of folklore involves the study of traditional popular culture, in the past and in the present. It is primarily concerned with the history and culture of ordinary people, and with the evolution and role of tradition at vernacular level. As an academic discipline, folklore (or ethnology) involves the exploration of oral literature, social tradition, material culture, popular belief and practice, as well as traditional music and song. It explores the dynamics of communal memory and of culture as a collective phenomenon. It looks at the nature of popular tradition and the way in which such tradition is transmitted, usually outside of official channels and often across vast distances of time and space. The UCD course investigates Irish folklore as a local expression of international cultural phenomena, making the subject particularly suitable for international students.

What will I study?

First Year

In first year, modules allow you to explore the nature and context of folklore, and provide you with a general introduction to the wide range of topics involved. You will be introduced to key texts on Irish folklore, and to some of the principal sources of information on the subject.

Modules include:

Introduction to Folklore • Folklore & the Imagination • Traditional Storytelling

Second & Third Year

You will examine specific areas of folklore in greater detail and see how folklore functions as part of our collective culture.

Modules include:

Healers & Healing • Folk Religion & Belief • Collectors of Song & Music • The Narrative Art

Irish Folklore is taught in lectures, with additional tutorials in several modules. Classes are in English, although students with a knowledge of Irish will find this of help in many areas of the subject.

Assessment in all modules involves a combination of in-semester assignment work and an end-of-semester exam.

Career & Graduate Study Opportunities

A degree in Irish Folklore is relevant to anyone interested in popular culture, tradition and society, and their interconnections. It provides an excellent basis for careers in:

- Heritage bodies and institutions, community organisations and local development initiatives
- The media
- Teaching
- Areas related to Irish studies, local studies and ethnic studies

You can also pursue Diploma courses in Irish Folklore at graduate level, as well as MLitt and PhD studies, specialising in one of the many areas of the subject.

International Study Opportunities

There are opportunities for students to spend a year studying abroad while pursuing their BA in Irish Folklore. Possibilities include Europe, Canada and the United States.

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"Irish Studies as a dynamic interdisciplinary programme examines the variety and diversity of Irish society, cultural practice, literature, language, and history. The programme is aimed at national and international students with an interest in literary origins and contemporary literature and media, film and popular tradition, the arts, history and Irish heritage in a national and global context. Our aim is to extend and enhance the understanding of Ireland, Irishness, including its Celtic roots and associations in a historical and contemporary context. Alongside lectures from Ireland's foremost scholars, students participate in fieldwork and engage with archival sources. Public seminars and events also form an integral part of course provision."

Dr. Regina Uí Chollatáin Head of Irish Studies, School of Irish, Celtic Studies, and Folklore

An early medieval depiction of a boat on the Kilnaruane pillar stone, Bantry, Co. Cork Image: Aidan O'Sullivan © UCD 2006

Irish Studies

BA (Hons) (NFQ Level 8)

Why is this course for me?

Irish Studies is an interdisciplinary programme that examines the variety and diversity of Irish history, society, cultural practice and the complex processes through which Ireland and Irish identities have been constructed. It asks a series of provocative and stimulating questions about ideas of Ireland and Irishness, such as how can we understand the ways in which place, history, culture and society have shaped Ireland, past and present? How do processes of emigration and immigration impact on Irish culture, society and identity? What influence have identity categories such as gender, sexuality, ethnicity and class had on Irish culture, society and identities?

What will I study?

Students take core Irish Studies modules alongside designated option modules from other Arts, Humanities & Social Sciences programme subject areas, including Irish, Folklore, Celtic Civilization, Archaeology, Art History, English, Geography, History, Music and Sociology.

Core modules include:

First Year
Introduction to Irish Studies • Introduction to Irish Cultural Studies

Second Year
Reading Irish Studies: Place People & Identities • Irish Studies Readings Seminar

Third Year
Irish Studies Texts and Contexts • Language Literature and Society

Students attend lectures and tutorials and undertake independent study.

Assessment is through a combination of end-of-semester written examinations and continuous assessment.

Sample Irish Studies module options
Ireland Uncovered • Exploring Ireland • Gender Culture and Society • List of module options from all other Schools in the College (CAH)

Career & Graduate Study Opportunities

Irish Studies graduates can find employment in:

Journalism and the media • Tourism • Heritage • Advertising • Business • The Arts • Public Relations • Public service • Politics

Graduates are also eligible to apply for UCD MA programmes including Irish Studies, History and English.

International Study Opportunities

Exchange opportunities available to third-year students have included:

- Edinburgh University, UK
- Glasgow University, UK
- University of Toronto, Canada
- University of Otago, New Zealand

Irish Studies is a growing discipline building on other possible international study opportunities in the US, Canada, UK, China, Australia, Belgrade and South Africa.

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 20

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
History, English, Art History, Geography and Music
Review the subjects you can study with Irish Studies. See page 35

Other courses of interest

Celtic Civilization	→38
History	→48
Irish	→51
Irish Folklore	→52

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Italian

BA (Hons) (NFQ Level 8)

"I came to Italian with stereotypical views and vague expectations. Thankfully, Italian at UCD had bigger and better challenges for me, and I continue to be surprised and delighted by them. The staff don't just deliver a wonderful learning experience – they are part of that experience."

Mike Norris Student

"Tá níos mó foghlamtha agam ná mar a shamhlaigh mé riamh. Baineann mic léinn na hlodáilise tairbhe as ranganna beaga agus as caidreamh oibre iontach le léachtóirí. Tugann an cúrsa deis agus taithí spreagúil do mhic léinn staidéar a dhéanamh san Iodáil ar feadh bliana. Tá an chéim seo thar a bheith taitneamhach agus faigheann céimithe na tréithe agus na scileanna a bhíonn ag teastáil ó fhostóirí."

Cillian Ó Maolmhuaidh Student

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course BA Hons (3 Years)
BA Intl (4 Years, including one year of study abroad)

Average Intake 45

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
Spanish, Art History, French, English and German

Review the subjects you can study with Italian. See page 35

Other courses of interest

International Languages →50
Commerce International →86

Why is this subject for me?

In today's world, where language skills are growing in importance, Italian is an exciting language to study. Not only will you enjoy learning Italian, you will also open up excellent career opportunities in many areas of business and society. You will have the opportunity to spend a year studying in Italy, one of the world's most beautiful and fascinating countries.

Italian accepts both beginners and non-beginners. Opportunities exist for suitably qualified students to spend an extra year abroad at a university in Italy, and graduate with a BA (International). If you wish to reach the level of linguistic proficiency required by employers, we recommend that you opt for the four-year BA (International) degree. Alternatively, if you wish to study more than one language, with a year abroad, consider DN541 International Languages (see page 50).

What will I study?

You will study language modules each year and also choose from modules including:
The Making of Modern Italy • Women's Writing • Great Masters of Italian Literature • The History of the Italian Language • Minorities in Italy

Language modules are taught in small groups, and literature and culture modules are taught through lectures and tutorials.

Assessment is through a combination of continuous assessment and end-of-semester exams.

Career & Graduate Study Opportunities

Studying Italian opens the door to graduate studies (MA or PhD, in Ireland or abroad) and many careers, including:

- Careers in organisations like the EU, UN, and NGOs
- Multinationals
- Hospitality and entertainment industries
- Teaching, publishing and journalism
- Translation and interpreting

International Study Opportunities

We recommend that after second year you complete an Erasmus year at an Italian university:

- Cagliari
- Macerata
- Milan
- Rome
- Trento
- Urbino

to achieve the level of proficiency required by employers and for graduate studies. Upon completion of your fourth year you will then be awarded a BA (International). Places may be limited and preference will be given to those with better results.

KEY FACT
Italian is open to both beginners and non-beginners.

www.ucd.ie/**myucd/ahss**

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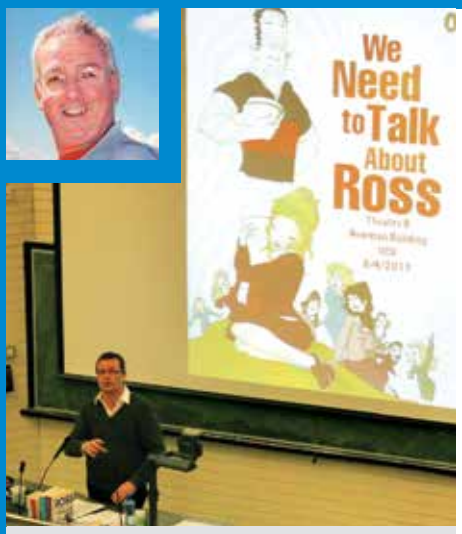
"I believe that the diversity and flexibility of a Linguistics degree provides you with an unmatched opportunity to grow and develop both intellectually and socially. It nurtures a wide range of skills which you will find to be invaluable, whether you continue to study with us or follow another career path."

Feargal Murphy Lecturer



Paul Howard, creator of Ross O'Carroll Kelly, discusses Dublin English with UCD Linguistics class

Linguistics

BA (Hons) (NFQ Level 8)

Why is this subject for me?

Language is something we take for granted but it is one of the most important skills we possess as human beings. It is hard to imagine any activity that does not involve language in some way. This makes linguistics (the scientific study of language) one of the most intriguing and interesting subjects. Linguistics asks, and answers, such questions as:

- How are languages structured?
- How is language acquired?
- Where did language come from?
- Why do no other animals have language?

By studying linguistics you will find the answers to these and other questions. Some of the answers may surprise you, and some will prompt you to explore more profound and interesting questions.

What will I study?

First Year

Modules are introductory in nature and provide an overview of the many interesting topics dealt with in Linguistics, including:

- The sounds used in languages
- The structure and meaning of words and sentences
- The way language is acquired by children
- How we use language to express ourselves and to communicate with others

Second & Third Year

Modules provide a more in-depth analysis of the areas already introduced, as well as looking at other areas such as:

Language Disorders • Endangered Languages • English as a World Language

Linguistics modules comprise a lively mix of lectures and tutorials.

Assessment involves a stimulating combination of essays, language data problem sets, group projects, exams and presentations, so that students can fully demonstrate their learning and understanding.

Career & Graduate Study Opportunities

Studying Linguistics develops essential skills that will allow you to pursue a diverse range of careers, including:

Speech and language therapy • Language teaching • Editing and publishing • Journalism • Business • Advertising • Software development

Some of these careers may involve graduate study beyond linguistics, but students can also pursue MA and PhD studies in one of the many areas of linguistics, as well as related areas such as cognitive science or second language acquisition.

International Study Opportunities

Students of Linguistics have availed of opportunities to study abroad as part of their BA, at universities in:

Paris, France • Barcelona, Spain • Valladolid, Spain • Bilbao, Spain • North Carolina, USA • Toronto, Canada • Waseda, Japan

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 100

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
Sociology, English, Spanish, Irish
Information & Social Computing

Review the subjects you can study with Linguistics. See page 35

Other courses of interest

International Languages	→50
Psychology	→60
Sociology	→62

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"I decided to study Mathematics at UCD as part of a Joint Honours degree because of the huge variety of interesting topics available. I was taught by world-class lecturers and mathematicians who are at the forefront of exciting research and discovery. The Mathematics degree provides an excellent foundation both for employment and further study, and I have since undertaken a Higher Diploma in Mathematical Science."

Patrick Doohan Student

Mathematics

BA (Hons) (NFQ Level 8)

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 45

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
In order to study Mathematics, we strongly recommend that you also have at least a Grade H4 in Leaving Certificate Mathematics, or equivalent.

Popular Subject Combinations:
Economics, Geography, Music, English and Statistics

Review the subjects you can study with Mathematics. See page 35

Other courses of interest

Economics →40
Statistics →64

Why is this subject for me?

Mathematics plays a key role in our quest to fully describe and understand the natural world. Those who concentrate on this subject will gain an understanding of mathematical concepts and learn how to prove key facts and solve problems using deductive reasoning.

What will I study?

Some first year modules build on the foundations laid at Leaving Certificate (Project Maths) or equivalent, while others will introduce exciting new aspects of the subject. It is not assumed that you will have met everything before and each topic is carefully introduced and built upon.

First Year
Calculus • Linear Algebra • Number Theory & Combinatorics

Second Year
Multivariable Calculus • Analysis • Algebraic Structures • Linear Algebra • Probability and Statistics

Third Year
Complex Analysis • Geometry • Group Theory and Applications, with options History of Mathematics • Financial Mathematics, • Differential Equations

Career & Graduate Study Opportunities

The skills and problem-solving abilities you acquire are highly prized in a range of professions. Our recent graduates have found highly rewarding employment in:

Actuarial science • Political science • Journalism • Business • Sociology • Banking and financial services • IT • Education • Meteorology • Accounting

Graduates may also pursue further study including the HDip in Mathematical Science (qualifier for the MSc in Mathematics), HDip in Statistics, and MA in either Mathematics or Statistics.

International Study Opportunities

An extra year spent in an international university, leading to the award of a BA (International) is highly recommended. Opportunities in third year have included:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

KEY FACT
Mathematics and Statistics were ranked by *The New York Times* as the best degrees to study for the 21st century. There is a real shortage of qualified mathematicians and statisticians and UCD graduates continue to perform successfully in the jobs market.

www.ucd.ie/**myucd/ahss**

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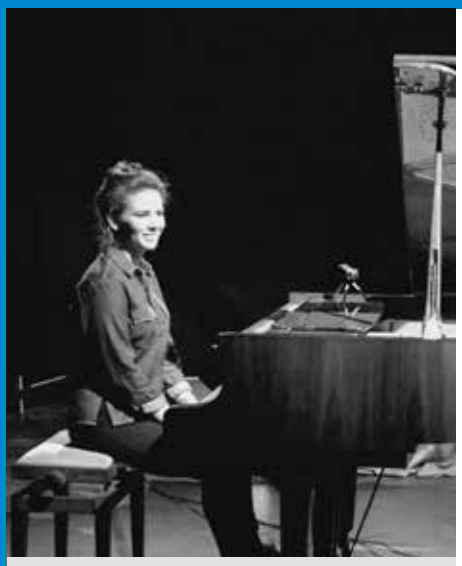
"I was a member of the Philharmonic Choir and the Gamelan Orchestra, both of which I immensely enjoyed. You are presented with numerous opportunities that will boost your musical resumé, not to mention the chance to perform in venues like Christ Church Cathedral and the National Concert Hall. The ensembles are all about developing musicianship and responsibilities as an ensemble member. Students are encouraged to create improvisation groups, and even compose new music. By the time you graduate you will have acquired a skill set and knowledge base that is entirely unique to UCD."

Anika Babel Graduate



Anika Babel, UCD Graduate 2016.

Music

BA (Hons) (NFQ Level 8)

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 70

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

Yes see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Option to take a single honours degree after First Year Yes

Special Entry Recommendation

In order to study Music, we strongly recommend that you have at least a Grade H4 in Leaving Certificate Music, or that you have the equivalent of Grade 5 ABRSM Music Theory.

Popular Subject Combinations:

English, Geography, Irish, Sociology and Mathematics

Review the subjects you can study with Music. See page 35

Why is this subject for me?

Music is a universal form of expression, one that captures our imagination in countless ways. In UCD, we equip students with the skills necessary to understand a wide variety of musical practices. Study music in UCD if you love performing, listening to, and talking about music.

Develop your musicianship through both theory and performance. Deepen your knowledge of musical history and cultures. Analyse the important role music plays in contemporary life. Learn how to research and write about specific musical genres and topics. Find out why music is such a central part of being human.

What will I study?

First Year

Introduction to Music: Writing and Listening • Music, Culture & Society • Music Theory and Musicianship • Performance Ensemble Electives

Second & Third Year

Music History • Music Theory and Musicianship • Formal Analysis • Musics of the World • Irish Music • Baroque Counterpoint • The Orchestra • Blues and Jazz • Harmony and Keyboard Harmony • Musical Traditions of India • Music of the Renaissance • Popular Music • Performance Ensemble Electives

Music is taught in lectures, seminars, tutorials, ensemble rehearsals, and through independent study and practice. Students are assessed through a mixture of end-of-semester exams, continuous assessment, dissertations, recitals, and concerts.

There are four professionally-directed ensembles in UCD that can be taken for credit: the UCD Choral Scholars; the UCD Gamelan Ensemble; the UCD Philharmonic Choir, and the UCD Symphony Orchestra. Auditions for our performing ensembles take place during the first two weeks of the semester.

Career & Graduate Study Opportunities

Music graduates can pursue careers in:

The Music Industry • Journalism • Media • Arts Administration • Music Education • Academia • Performance • Music Therapy

Music graduates often take their study of music further, through graduate studies. The UCD School of Music offers a Master in Musicology [pathways in **musicology** and **ethnomusicology**], MLitt, and PhD.

International Study Opportunities

The UCD School of Music operates Erasmus exchange programmes with universities in Munich, Prague and Rouen.

Non-EU exchange opportunities include Queen's University, Ontario, Canada and Waseda University, Japan, University of California, Los Angeles.

Performance Scholarships

The School of Music offers over forty performance scholarships each academic year. Details on criteria and auditions for these scholarships can be found on our website.

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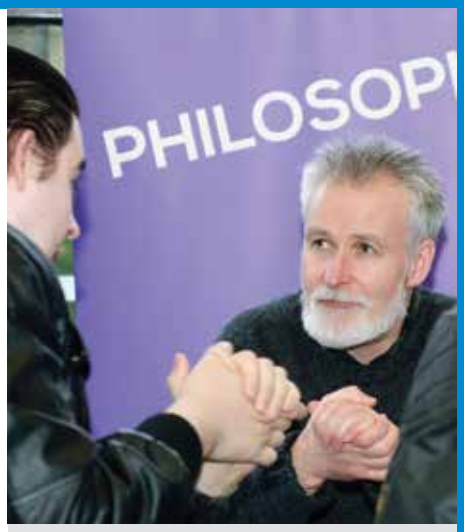

UCD's Dr Timothy Mooney discusses contemporary continental philosophy with students.

"The choice to study Philosophy was one of the best I ever made. The philosophers shared with us their knowledge and passion for their particular fields of interest, from ethics and existentialism to the philosophy of mind and logic. If you have an inquisitive mind and a desire to think critically then study Philosophy at UCD."

Kate Smith Global Training Lead at Google

Philosophy

BA (Hons) (NFQ Level 8)

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 160

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Option to take a single honours degree after First Year Yes

Popular Subject Combinations:
English, Politics, Economics, History and Sociology

Review the subjects you can study with Philosophy. See page 35

Other courses of interest

Social Science →65
Law with Philosophy →78
Politics & International Relations →59

www.ucd.ie/**myucd/ahss**

Why is this subject for me?

Are you interested in thinking for yourself? Do you like problem solving? Do you want to tackle some of the most challenging questions that have fascinated thinkers for centuries, such as:

- How can we know anything?
- Do we have free will?
- What is consciousness?
- How should we live?
- Does God exist?

Maths, sciences, literature or history are all equally good preparation for studying Philosophy. The main requirement is a capacity for clear thinking and methodical argument.

What will I study?

First Year

You will be introduced to a wide spectrum of philosophical approaches, from ancient thought through to existentialism and conceptual analysis.

Second Year

Modules include:

Philosophy and Mental Disorder • Knowledge and Scepticism • Metaphysics • Aristotle • Kant • Applied Ethics

Third Year

Modules include:

Philosophy of Mind • Nietzsche • Philosophy of Religion • History of Ethics • Critical Theory • Philosophy of Law

Students attend lectures and tutorials and undertake independent study. They are also encouraged to attend public lectures by eminent philosophers and other formal and informal academic events organised by the School of Philosophy.

Assessment is through a combination of end-of-semester written examinations, class tests and continuous assessment.

You study Philosophy as a two-subject degree. [Go to Page 35 for subjects you can combine with Philosophy.] At the end of first year, you may be able to transfer to a single-subject degree in Philosophy.

Career & Graduate Study Opportunities

Corporate headhunters often target philosophy graduates for their rigorous analysis of real-world problems and their clear, coherent communication of complex ideas. Philosophy graduates are employed in the private, public and not-for-profit sectors in business and management, marketing and advertising, media and broadcasting, public relations, education and human resources.

Many philosophy graduates continue with further study of their discipline or proceed directly to master's degrees in social sciences, law, or business. Our graduates have studied at MA and PhD level in internationally renowned universities from Oxford to Paris-Sorbonne to Harvard. UCD philosophy graduates have established prominent careers in Ireland and internationally as barristers, public policy analysts, human rights activists, journalists and academics.

International Study Opportunities

Recent students have extended their studies with a year abroad in partner universities in Auckland, Paris, Leuven, Seattle and Siena.

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"Despite my interest in politics going into college, the variety of available options from the School of Politics & International Relations meant that I left UCD with a far more expansive knowledge of politics than I could ever have expected. No matter what area of politics interested you, there seemed to be something for everyone. As my own interests turned towards conflict resolution, I was easily able to tailor my choices around what interested me most and what was most relevant, through options such as the Politics of Northern Ireland, and Middle Eastern Politics."

Eoghan Glynn is Communications Stagiaire at European Movement Ireland.

Politics & International Relations

BA (Hons) (NFQ Level 8)

Why is this subject for me?

Do you want to understand how governments, parliaments, parties and elections work? Are you concerned about conflicts, human rights, global poverty, war and political violence? Do you want to learn how to formulate a coherent and persuasive argument? With a degree in Politics and International Relations, you will develop the ability to analyse the complex interplay between national and international political institutions, systems and forces.

What will I study?

In first year, you will be introduced to the core areas of politics, giving you a solid foundation for future study. In subsequent years you will pursue the areas of politics and international relations that interest you most. Examples of modules include:

First Year

Foundations of Political Theory and International Relations • Foundations of Contemporary Politics • Irish Politics • Globalisation and Development

Second Year

Individuals and the State • Law, Politics & Human Rights • International Relations • Analysing Politics • European Union • Ethnicity, Identity & Nationality • Achieving the Sustainable Development Goals •

Third Year

You choose from: International Political Economy • Conflict in Northern Ireland • Political Reform in Ireland • International Justice • Latin American Politics • Middle East Politics • Integration, Fragmentation & the Global System • Comparative Politics • Contemporary Autocracies • Capitalism and Democracy • Terrorism and Political Violence • Introduction to Asian Politics • Justice in Education • Gender in War and Peace

Students attend lectures and tutorials as well as undertaking independent study.

Assessment is in the form of a combination of continuous assessment and end-of-semester written exams.

You study Politics and International Relations as a two-subject degree. [Go to Page 35 for subjects you can combine with Politics and International Relations.] At the end of first year, you may be able to transfer to a single-subject degree in Politics and International Relations.

Career & Graduate Study Opportunities

There is a wide range of national and international employment opportunities in the public and private sector, including:

The Irish civil service • The European Commission • International agencies such as the UN, IMF and World Bank • NGOs • Print and broadcast media • The diplomatic service • Business • Administration and research

MA and MSc degrees in UCD open to graduates include:

Politics • Political Theory • International Relations • Development Studies • Nationalism & Ethnic Conflict • Human Rights • European Public Affairs & Law • Development Practice

International Study Opportunities

Erasmus opportunities include:

Institut d'etudes politiques, Paris, France • University of Bergen, Norway • Université libre de Bruxelles/Université de Liège, Belgium • University of Lund/University of Stockholm, Sweden • Universität zu Köln, Germany

International study in the US, Asia and Australia are also available in third year.

KEY FACT

UCD is ranked in the Top 100 universities in the world for Politics & International Studies according to QS World University Rankings by subject.

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 275

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Option to take a single honours degree after First Year Yes

Popular Subject Combinations:

History, Economics, Sociology, Geography and Philosophy

Review the subjects you can study with Politics & International Relations. See page 35

Other courses of interest

Social Science →65
Law with Politics →79

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Psychology

BA (Hons) (NFQ Level 8)

UCD Psychology students acquire skills in software tools for research.

"I chose Psychology because I wanted a deeply interesting subject that would permit many possibilities for my future career. Being awarded the Ad Astra Scholarship has given me a great start in UCD because it has given me financial assistance and the support of a special mentor in the School of Psychology. The UCD programme has allowed me to continue to develop my language skills, which is important because I would like to do an Erasmus exchange. Since I began to study Psychology I have discovered the huge range of pathways and directions that are available to me with this degree."

Robyn de Brun Student

CAO Code **DN519**

CAO Points Range 2015 505—595

Length of Course 3 Years

DN519 Places 75

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest
Social Science →65

Why is this subject for me?

If you have a questioning attitude and good reasoning skills you will really enjoy the world opened up by Psychology. Psychology has links to the natural sciences, the social sciences and the arts, so it is likely to appeal to a wide variety of people. The course has core modules that will introduce you to major theories and research methods, and you will also have a chance to choose option modules in specialist areas of psychology (e.g. counselling, clinical psychology and forensic psychology).

First Year
Social Psychology • Brain & Behaviour • Introductory Research Methods • Perception & Cognition • Plus added optional modules • Elective modules

Second & Third Year
Behavioural Neuroscience • Child & Adolescent Development • Visual Cognition • Psychology Labs • Personality & Human Intelligence • Independent Research Project • Option modules within Psychology • UCD Horizons elective modules

Students spend up to 20 hours per week attending lectures and tutorials. In second year you will conduct a series of laboratory practicals, while in third year you will carry out an independent research project under the direction of one of the academic staff.

A combination of end-of-semester written examinations and continuous assessment is used to evaluate performance. See our Studying UCD Psychology model on page 61.

Career & Graduate Study Opportunities

The degree is recognised by the Psychological Society of Ireland and, as such, provides the foundation for further graduate training in any field of psychology as well as for a wide variety of careers, including:

Clinical psychology • Educational psychology • Organisational psychology • Forensic psychology • Counselling psychology • Health psychology

There are also career opportunities in research projects alongside other social scientists, such as economists and sociologists.

International Study Opportunities

The School of Psychology has exchange agreements with:

- Université catholique de l'Ouest, France
- Universidad Pontificia Comillas de Madrid, Spain
- Freie Universität, Berlin, Germany
- Georgetown University, Washington, USA
- University of Groningen, the Netherlands

www.ucd.ie/**myucd/ahss**

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Studying UCD Psychology

Year 1 — Foundations of Psychological knowledge

CORE MODULES

- Brain & Behaviour
- Psychology of Perception
- Introduction to Social Psychology
- Psychological Research

Plus optional modules

Year 2 — Engage with the principles

SAMPLE CORE MODULES

- Visual Cognition
- Psychology of Language
- Analysis & Design
- History of Psychology
- Laboratory Practicals

Plus optional modules for Years 2 & 3

- Clinical Psychology
- Counselling Psychology
- Sport & Exercise Psychology
- Psychology & Crime
- Psychological Trauma
- Practicing Organisational Psychology
- Advanced Language Development
- Health Psychology
- Biological Psychology
- Disability Studies

International study abroad opportunity for one year*

Year 3

SAMPLE CORE MODULES

- Behavioural Neuroscience
- Lifespan Development
- Advanced Social Psychology
- Intelligence
- Research Dissertation

Bachelor of Arts

Refine your knowledge
UCD graduate study

Taught Master's

- Psychological Science
- Rehabilitation & Disability Studies
- Mindfulness Based Interventions

Research based Programmes

- PhD Clinical Psychology
- MLitt
- PhD

Shape your career
Sample opportunities

Psychology Careers

PSYCHOLOGIST
- Clinical
- Counselling
- Education
- Forensic
- Neuropsychologist
- Work & Organisation
- Health
- Sports
- Research

Business Related Careers

- Human Resources Officer/Manager
- Recruitment Consultant
- Change Management/ Management Consultant
- Training & Development Officer/Manager
- Retail Manager
- Public Relations
- Advertising Executive
- Market Researcher

Public Sector Careers

- Health
- Civil Service
- Local Councils
- Education

Therapeutic Careers

- Art Therapist
- Psychotherapist
- Drama Therapist
- Music Therapist

Continue to develop your professional career with UCD...

*Université Catholique de l'Ouest (Angers, France), Universidad Pontificia Comillas (Madrid, Spain), Freie Universität Berlin (Germany), University of Groningen (the Netherlands), Georgetown University (Washington DC, USA).

Sociology

BA (Hons) (NFQ Level 8)

"I chose to study at UCD because of its reputation, its location, its facilities and the quality and variety of the modules available. The sociology component of my degree has allowed me to develop practical research skills and a critical, analytical and informed world-view. I have studied gender, crime, migration, housing inequalities, work, culture, masculinities, social stratification and classical and contemporary theory. Though there were compulsory modules, there was plenty of freedom to study areas of particular interest to me. I have loved every minute of my time at UCD."

Jake Ryan Student

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 345

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Popular Subject Combinations:
Geography, Economics, Politics, English and History

Review the subjects you can study with Sociology:
Bachelor of Arts degree See page 35
Bachelor of Social Science degree See page 66

Other courses of interest
Social Science →65

Why is this subject for me?

If you are interested in people, you will be interested in studying sociology – its study of society and social life seeks to explain why people act and behave the way they do. It studies the different human groups to which people belong: families, social classes, religions, neighbourhoods, nations and races. Sociologists are interested in how these groups influence what people do and say, and, at the same time, how individuals change the nature of these groups through the way they act. Sociology combines theoretical analysis and empirical research.

What will I study?

First year introduces you to the works of leading sociologists and fundamental sociological concepts and techniques of enquiry. Thereafter you can choose from a wide range of modules.

First Year

Foundations of Sociological Thought • Introduction to Sociology • Ireland in Perspective • Sociological Analysis

Second Year

Sociology of Gender • Quantitative Research • Social Anthropology • Sociological Theory • Economic Sociology • Animals & Human Society • Sociology of Contemporary Life • Analytical Sociology

Third Year

Crime & Society • Science & Society • Sociology of Nations • Sociology of War & Violence • Contemporary Theory • Work & Social Stratification • Migration, Race & Ethnicity • Governance in Society • American Society • Social Data Analytics • Historical Sociology • Social Dynamics & Networks

Sociology students attend lectures and participate in seminar discussions. They also undertake independent study, including reading and writing about sociological ideas and issues.

Assessment is generally a combination of continuous assessment and end-of-semester written exams.

You study Sociology as a two-subject degree [DN500]. [Go to Page 35 for subjects you can combine with Sociology.] Sociology also forms a central part of the Social Science degree [DN550] See page 65.

Career & Graduate Study Opportunities

Sociology provides an excellent grounding for a wide range of careers in such areas as:

- Social research and policy analysis
- Journalism
- The media
- Civil service
- Business

It also leads to a wide range of graduate study opportunities in the social sciences, law and business. The School provides a general MSocSc in Sociology, as well as specialised programmes in Health, Wellbeing & Society; Crime, Violence & Conflict; Cultural Sociology; Global Migration & Cultural Differences and Comparative Social Change.

International Study Opportunities

Sociology students at UCD can avail of international exchange opportunities in universities in Europe and around the world. Currently, Erasmus opportunities exist in Belgium, France, Italy, Norway, Sweden, Denmark, Northern Ireland and England. Non-EU exchanges may include the USA, Australia and South Korea.

www.ucd.ie/**myucd/ahss**

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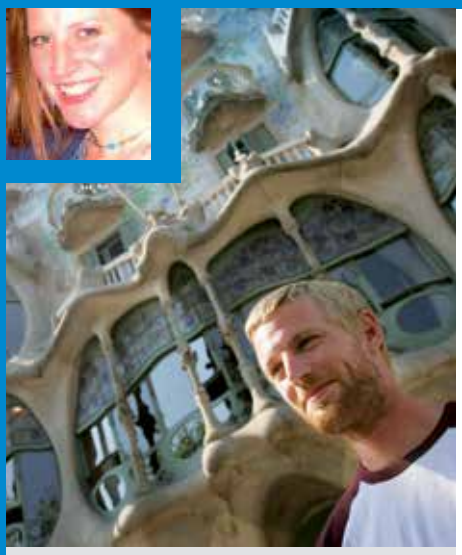
facebook.com/**MyUCD**

"Spanish in UCD is an intimate and friendly degree which I would definitely recommend. I took part in Spanish language plays, run by students and staff, which were a huge highlight of my year. Lecturers were enthusiastic and supportive, encouraging us to open up and debate in small groups."

Anita Hyland Student



La Casa Milà (La Pedrera) in Barcelona

Spanish

BA (Hons) (NFQ Level 8)

Why is this subject for me?

Spanish is a truly global language, spoken by more than 400 million people around the world. Taught through interactive language classes, Spanish is not only accessible in the initial stages of learning, it is also richly rewarding for those interested in the more advanced subtleties of linguistic study. In tandem with learning to communicate effectively in Spanish, a combination of lectures, tutorials and group work enables you to pursue your own readings of and reflections upon works by major authors. This will deepen your knowledge of Hispanic culture as well as sharpening your critical faculties. Opportunities will be available to study Portuguese and acquire translation skills.

We accept absolute beginners (taught separately in first year) and non-beginners.

Opportunities exist for suitably qualified students to spend an extra year abroad and graduate with a BA (International). If you wish to reach the level of linguistic proficiency required by employers, we recommend that you opt for the four-year BA (International) degree. Alternatively, if you wish to study more than one language, with a year abroad, consider DN541 International Languages (see page 50).

What will I study?

We aim to train you in the four main skills of reading, writing, speaking and listening. A complementary objective is to focus on the analytical study and understanding of Hispanic literatures and cultures. If suitably qualified, students have the opportunity to study for an Erasmus year in Spain, Latin America or Portugal.

First Year

Language • Study Skills • Stories, Poetry, Drama, Short Texts • Electives, including Portuguese Language

Second & Third Year

Language • Latin-American Literature • Modern Novel & Film • Modern Poetry • Commercial Spanish • Translation • Advanced Oral Language • Erasmus Opportunities • Electives, including Portuguese Language

Spanish is taught in lectures and classes and there is an emphasis on independent study. Assessments are varied and may include end-of-semester examinations, coursework, presentations and projects.

Career & Graduate Study Opportunities

Our graduates are flexible, articulate and eminently employable people who can enjoy careers in: Civil service • Journalism • Banking and business • Teaching • Tourism

They are also eligible to apply for the MA in Modern Languages and other taught master's programmes in the School of Languages, Culture & Linguistics and College of Arts & Humanities. MLitt and PhD programmes are also available.

International Study Opportunities

We operate exchanges with several partner institutions, in Spain, Latin America and Portugal including: Deusto, Bilbao, Spain • Zaragoza, Spain • Valladolid, Spain • Salamanca, Spain • Castilla-La-Mancha (Ciudad Real), Spain • Seville, Spain • Pontificia Universidad Católica de Chile (Santiago), Chile • Monterrey, Mexico • Austral, Buenos Aires, Argentina • Montevideo, Uruguay • Lisbon, Portugal • Coimbra, Portugal

Places may be limited with preference given to those with better results.

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course BA Hons (3 Years)
BA Intl (4Years, including one year of study abroad)

Average Intake 110

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes None

Mature Entry Route
Yes, see page 188

Special Entry Recommendation
In first year, two streams are offered: one for absolute beginners, and another for non-beginners. For the non-beginners' level a minimum grade of H4 in Leaving Certificate Spanish, or equivalent, is strongly recommended.

Popular Subject Combinations:
Economics, English, History, Italian Studies and French

Review the subjects you can study with Spanish. See page 35

Other courses of interest

International Languages →50
Commerce International →86

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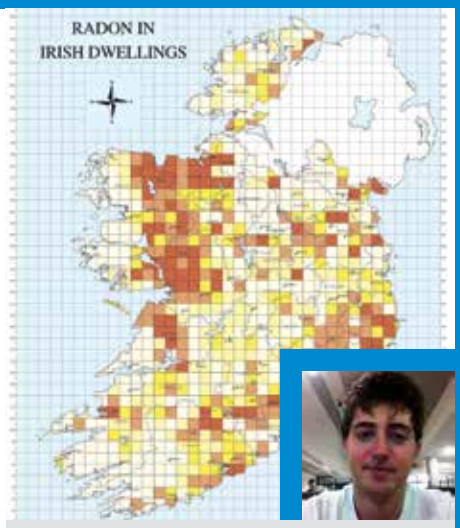
www.ucd.ie/**myucd/ahss**

Statistics

BA (Hons) (NFQ Level 8)



Map of Ireland showing radon in Irish dwellings. Map by the Radiological Protection Institute of Ireland.

"I always enjoyed mathematics in secondary school and had a keen interest in problem solving so I decided to study Mathematics and Statistics in UCD. Studying them through Arts is great as you get to study a broad range of subjects such as Applied Maths, Pure Maths and Statistics, and to explore other subjects such as Economics, History, and Psychology. I am halfway through my degree and loving every minute of it. I hope to do a postgrad in Statistics in the future."
Jack Mac Cuinneagain Student

CAO Code **DN500** Joint Honours

CAO Points Range 2015 330—585

Length of Course 3 Years

Average Intake 45

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Special Entry Recommendation
In order to study Statistics, we strongly recommend that you also have at least a Grade H4 in Leaving Certificate Mathematics, or equivalent.

Popular Subject Combinations:
Economics, Mathematics, Linguistics
Information & Social Computing and Sociology

Review the subjects you can study with Statistics. See page 35

Other courses of interest

Economics →40
Mathematics →56

www.ucd.ie/**myucd/ahss**

Why is this subject for me?

According to *The New York Times*, a statistician is the number one career for the 21st century. In Ireland, employers cannot find enough qualified statistical graduates and now is the time to choose to study for a degree with a great future. Wherever data are collected, statistical and data analysis skills are required. Statisticians develop mathematical models for uncertainty and apply them to real data. Statistical models allow us to learn about the underlying processes which give rise to the data. The power of modern computing continues to have a major impact on both the development and applicability of statistical methods in almost every area of social science, science and business. The skills gained from studying Statistics complement many other subjects in the degree programme where quantitative methods form part of the approach to understanding the subject. For example, psychology and social science rely heavily on statistical modelling tools.

What will I study?

In first year you will gain a broad overview of the basic principles of statistical modelling and reasoning, while second and third years enhance this knowledge with a mixture of theoretical and applied modules to give you a well-rounded learning experience in statistics. Notably, you will learn how to use current statistical software packages, giving insight to how statistical methods are used in practice.

First Year
Introduction to Statistical Modelling • Statistical Modelling

Second & Third Year
Probability Theory • Inferential Statistics • Linear Models I • Linear Models II • Time Series Analysis • Statistical Data Mining • Monte Carlo Inference • Survey Sampling • Multivariate Analysis • Actuarial Statistics I

Statistics is taught in lectures, tutorials and through independent study. There is also an emphasis on practical application through statistical software and applied projects.

Assessment is through a combination of end-of-semester written examinations, projects and continuous assessment.

Career & Graduate Study Opportunities

More and more employers are seeking to hire statisticians as they play a key role in virtually all areas of society and science, including:

- Industries such as finance, government, economic analysis, marketing, education, health, medicine, environmental science
- Societal research which contributes to understanding economic and social change, informing public policymaking
- Development of new drugs in the pharmaceutical industry

Graduates may also pursue further study including the MA in Statistics, HDip in Mathematical Science (qualifier for the MSc in Mathematics) and HDip in Actuarial Science.

International Study Opportunities

An extra year spent in an international university, leading to the award of a BA (International), is highly recommended. Opportunities in third year have included:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

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"I am now employed as a social worker for the HSE, making a difference in people's lives, thanks to my studies in Social Science."

David McDunphy Graduate

"For those students who want an interesting, relevant and yet challenging degree, Social Science is definitely the one for them!"

Lorna McNally Student

Social Science

BSocSc (Hons) (NFQ Level 8)

CAO Code **DN550**

CAO Points Range 2015 420—535

Length of Course 3 Years

Places 145

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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see http://www.ucd.ie/registry/admissions/transfer_progression.html

Mature Entry Route
Yes, see page 188

Why is this course for me?

The Bachelor of Social Science is the degree for people who know that they want to work in a people-focused job, but still wish to explore a number of possible career paths.

At UCD, you will be taught by first-class lecturers and professors. You will develop a set of skills including critical thinking, communication and presentation skills, problem solving, research skills and the ability to think on your feet.

You'll learn about the complexities of life and the society in which you live, and how best to respond to human needs, including the needs of those who are marginalised.

What will I study?

First Year

You'll undertake required modules in Social Policy and Sociology, as well as selecting two modules from a third social science subject, along with two UCD Horizons elective modules. From your first year, you will start to acquire abilities and skills that prepare you for your future studies and for challenging careers in all areas of professional life.

Your first year is also the time to introduce yourself to your fellow students and settle in to university life. The small tutorial groups within your programme are the ideal opportunity to get to know people and make new friends, as are the many social events, clubs and societies at UCD.

Second & Third Year

At the beginning of second year you choose your major subjects for your degree and you select one of the following paths:

1. Social Work
2. Environment
3. Development Studies
4. Human & Organisational
5. Rights, Justice & Society
6. Crime & Social Order
7. Social Media
8. Ancient and Modern Societies

Students spend an average of 40 hours per week attending lectures and small-group teaching along with independent study.

A combination of end-of-semester exams and continuous assessment through a variety of methods (e.g. essays and individual and group projects) is used.

Career & Graduate Study Opportunities

This programme offers clear pathways that lead to a number of career opportunities and graduate programmes. These are set out in detail in the diagram on page 66. You'll be offered guidance throughout your degree to ensure you're taking the most appropriate choices for your career goals.

International Study Opportunities

In your second year, you can apply to enter the four-year Bachelor of Social Science (International) degree. If accepted, you can attend one of our partner universities in countries such as Australia, Belgium, Canada, Denmark, Finland, France, Italy, Malta, the Netherlands, New Zealand, Norway, Spain, Sweden and the USA.

Other courses of interest

Arts, Humanities & Social Sciences →32

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Studying UCD Social Science

Year 1 — Foundation year subjects

SOCIAL SCIENCE SUBJECTS

Social Policy	Sociology	Politics & International Relations	Economics	Geography	Information & Social Computing	Archaeology	Philosophy	Psychology*
Core	Core	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Years 2 & 3 — Choose your path

Social Work**	Development Studies	Rights, Justice & Society	Social Media
Social Policy with another Social Science subject	Politics and Social Policy or Sociology	Social Policy and Sociology or another Social Science subject	Information & Social Computing and Social Policy or Sociology

Environment	Human & Organisational	Crime & Social Order	Ancient and Modern Societies
Geography and Social Policy	Social Policy with another Social Science subject	Sociology with another Social Science subject	Archaeology and Sociology

Bachelor Degree in Social Science [Honours]

Career & graduate study opportunities

MASTER'S DEGREES

Social Work, Youth & Community Work Studies	Planning, Housing Policy, Environmental Policy, Development Studies	Development Studies, Development Practice, Human Rights, Public Policy	Business Studies, Marketing, HR, Industrial Relations	Public Policy, Equality Studies, Women, Gender & Society, Sociology	Social Policy, Sociology, Equality Studies	Information & Library Studies, Sociology, Social Policy	Archaeology, World Heritage Management, Experimental Archaeology, Sociology

SHAPE YOUR CAREER

Professional Social Work**	Urban Planning	Irish & International NGOs	Human Resource Management	National & International Public Service	Crime Prevention	Professional Librarianship	Professional Archaeological Practice
Counselling	Housing Policy	Agencies of the EU and UN	Business	NGOs	Youth Work	Information Manager	Cultural Heritage
Community Work	Environmental Policy	Irish Aid Programme	Marketing	Community Work	Community Work	Researcher	Cultural Tourism
Probation	Development Work Abroad		Industrial Relations				

Continue to develop your professional career with UCD...

*Psychology is not available as a Joint Major subject in Years 2 and 3 of Social Science.
**The two-year Master of Social Science [Social Work] is a requirement in order to qualify as a social worker.

"As a 17 year old completing the Leaving Cert the only thing I was sure of was that I wanted to work with people in a meaningful way, so I applied for the Social Science degree in UCD. I studied Sociology and Social Policy (as well as a number of modules in Politics and Economics), which focused my interests towards the Social Work Path as a career path. After gaining valuable, direct experience with Focus Ireland, I returned to UCD to complete the Master of Social Science (Social Work). I found both the Degree and Master's hugely rewarding, relevant and interesting. I now work as a Community Social Worker, developing the capacities of communities to improve their own health outcomes."

Gavin Mulhall BSocSc, MSocSc (Social Work)
Community based Social Worker

Dr Valerie O'Brien speaking to a student.

Social Policy

BSocSc (Hons) (NVQ Level 8)

CAO Code **DN550**

CAO Points Range 2015 420—535

Length of Course 3 Years

Places 145

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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see http://www.ucd.ie/registry/admissions/transfer_progression.html

Mature Entry Route
Yes, see page 188

Why is this subject for me?

If you are interested in understanding and researching social problems such as poverty, homelessness and discrimination, you will enjoy studying social policy. It is the study of the social impact of policies such as social services, social security benefits and the welfare state. Social policy analysts are interested in the design and funding of these policies and their impact on different family types, income and age groups, genders, regions and countries.

Social policy is a core subject on the joint honours Bachelor of Social Science [DN550] degree. The other core subject is Sociology [see p67. for more details].

What will I study?

In first year you will be introduced to the basic concepts and skills required to study social policy so no prior knowledge of the subject is required. In second and third year you will have a chance to study specialist modules on the elements of social policy that interest you most.

First Year
Social policy theories and concepts; Understanding Social Problems and Policies; Contemporary Irish welfare state; History of Irish social policy.

Second & Third Year
Gender social policy and inequality • Economics of social policy • Social protection • Housing policies, Neighbourhoods and homes • Introduction to social work • Policy-making implementation and evaluation • Crime, social services and the justice system • Sexual and reproductive health policy • Immigration and Irish society • Comparing European and Asian welfare states • Social work in practice.

Career & Graduate Study Opportunities

Social policy analysis provides an excellent grounding for a wide range of careers such as:

- Social research and policy analysis
- Journalism
- Social work
- Community work
- Social services management
- The civil and public service

It also leads to a wide range of career and study opportunities. The School provides a two year MSocSc in Social Work and undergraduate modules in social work are provided to prepare social policy graduates for this option. The School also provides a one-year MSc in Equality Studies and an MA in Women, Gender and Society and contributes to UCD's one-year Master of Public Policy (MPP).

International Study Opportunities

Social policy students at UCD can avail of international study opportunities in universities in Europe and around the world. Currently Erasmus exchange opportunities exist in Germany, Italy, The Netherlands, Sweden and the UK.

KEY FACT
UCD is ranked in the top 100 universities in the world for Social Policy and Administration according to QS World University Rankings by subject.

Other courses of interest
Arts, Humanities & Social Sciences →32

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The UCD Sutherland School of Law, opened in 2013, is the first purpose-built university law school in Ireland. Key features include the Clinical Legal Education Centre, Trial Court and Ceremonial Moot Court.

UCD Sutherland School of Law provides a solid foundation for a career either in legal practice or in one of many other rewarding fields in Ireland or abroad. It offers you the choice of studying law alone or in combination with other subjects. Our graduates have progressed to hold some of the highest legal and political offices in the State, including Chief Justice, Attorney General, Director of Public Prosecutions, Taoiseach and Tánaiste.

Law

Law (BCL)	71
Law with French Law	72
BCL/Maîtrise — Law Dual Degree	73
Law & Chinese Studies	74
Law with Economics	75
Law with History	76
Law with Irish	77
Law with Philosophy	78
Law with Politics	79
Law with Social Justice	80
Business & Law	81

Why UCD Law?

— UCD Sutherland School of Law offers world-class learning and teaching facilities in a state-of-the-art building. Features include the purpose-built Clinical Legal Education Centre (CLEC) which offers specialist clinical law modules.

— We offer the widest range of law degrees in Ireland. You can choose to focus primarily on Law (BCL) or to combine your study of Law with one of the following: Business, History, Irish, Philosophy, Politics, Economics, Social Justice, French Law or Chinese Studies. If you choose the BCL programme you may study a language (Chinese, French, Irish, Spanish) throughout your BCL degree.

— Our academic staff are experts in a wide range of fields in national, European and International law.

— You may undertake a placement in a leading law firm, in the courts or non-governmental organisation and/or conduct public interest research.

— You may have the opportunity to develop your foreign language skills and to study other legal systems through our extensive international exchange programme with universities in Europe, North America, Asia and Australasia.

— Our graduates have gained admission to study at prestigious universities including Berkeley, Cambridge, College of Europe, European University Institute, the LSE and Harvard.

Your First Year Experience

— UCD Sutherland School of Law welcomes first year students to a friendly community. Under our Peer Mentoring and Academic Adviser schemes, current students and lecturers are assigned to each first year student in order to offer advice.

— You will explore the fundamentals of law by studying modules in Constitutional Law and Contract Law. In General Introduction to Legal Studies you will learn to solve legal problems by working in teams.

— Lectures are supplemented with small-group tutorial teaching to help you learn how to understand cases, to interpret legislation and, ultimately, find your own voice.

— You will be encouraged to get involved in debating and mooting (mock trials).

— You can join other students in the UCD Law Society, which organises many events, including debates.

— You may decide to participate in the UCD Student Legal Service. Run by Law students, it provides legal information clinics to students.

— You will be invited to attend recruitment presentations from leading Irish and UK firms which are held in the Law School.

— Specialist careers support is provided by the School's Career Adviser to help you identify and achieve your career ambitions.

Studying UCD Law

Years 1 & 2

Foundations of legal knowledge and specialist subjects

DN600 BCL Bachelor of Civil Law	**DN600 LCS** BCL Law & Chinese Studies	**DN600 LES** BCL Law with Economics	**DN600 LFL** BCL Law with French Law	**DN600 LHY** BCL Law with History
DN600 LPY BCL Law with Philosophy	**DN600 LPS** BCL Law with Politics	**DN600 LSJ** BCL Law with Social Justice	**DN600 LIH** BCL Law with Irish	**DN610** Bachelor of Business & Law

All students are offered core law modules and programme specific subjects

CORE LAW MODULES

General Introduction to Legal Studies*	**Constitutional Law**	**Tort Law**	**Contract Law**
General Introduction to Comparative Legal Studies*	**European Union Law**	**Property Law****	**Criminal Law**

DN600 students also take progamme specific modules as appropriate, for example in:

- Law
- Chinese Studies
- Economics
- French Law
- Irish
- History
- Philosophy
- Politics
- Social Justice

Years 3 & 4

Further Specialisation and International Study

Bachelor Degree in Law (Honours)

Specialise through UCD graduate study

Professional Diplomas in

- Employment Law
- International Financial Services Law
- Professional Regulation

Master of Laws (LLM) in

- International Commercial Law
- Criminology & Criminal Justice
- European Law & Public Affairs
- International Human Rights
- Intellectual Property and Information Technology
- General

Masters of Science

- International Law and Business

Doctor of Philosophy (PhD)

- Law
- European Law & Governance

Shape your career with UCD Law in Ireland or abroad

LAW

- Solicitor (Ireland, UK, etc)
- Barrister (Ireland, UK, etc)
- Avocat (France)
- Academia

BUSINESS

- Corporate Banking
- Management
- Business Analyst
- Financial Services

MEDIA & POLITICS

- Broadcasting
- Press
- Electoral Politics

PUBLIC POLICY

- Public Service
- Research
- International Institutions
- Non-Governmental Organisations
- Education

Continue to develop your professional career with UCD...

*Not offered in DN600 LCS

**Offered as optional module to DN610 in Year 3

"My interest in socio-legal issues led me to return to education as a mature student on the BCL (Hons) degree programme. My studies have helped develop both my analytical and critical-thinking skills and I have managed to successfully achieve a balance between my personal and university life. I have had the opportunity to present at the University Open Day and fundraise for Childline ISPCC. All of this has advanced my personal development, public speaking and relation-building skills. With the supportive community in UCD, I am well on my way to achieve my goal of working towards a career I have always wanted"

Joy-Tendai Kangere Student

Law

BCL (Hons) (NFQ Level 8)

CAO Code **DN600 BCL**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Why is this course for me?

The UCD Bachelor of Civil Law (BCL) degree enjoys a proud history and an established reputation at home and abroad. The BCL degree allows you to immerse yourself in the study of law, to engage with a range of interesting legal perspectives and to acquire a profound understanding of how law works in theory and in practice.

What will I study?

First & Second Year

In first year, you'll explore some foundational areas of law including:

General Introduction to Comparative Legal Studies • Contract Law • Tort Law • Constitutional Law

You'll study modules in civil and criminal procedure.

In second year, you'll explore EU Law and core areas of Irish law including:

Property Law • Company Law • Criminal Law

Third & Fourth Year

You can tailor your BCL by selecting from a wide choice of Law modules such as:

International Human Rights • Environmental Law • Intellectual Property Law • Media Law • Family Law • Commercial Law • Employment Law

In addition, our Clinical Legal Education Centre (CLEC) offers "clinical" modules which include Advocacy & Mooting, Alternative Dispute Resolution, Legal Practice and Legal Placement.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

As a BCL graduate you are well positioned to pursue a variety of careers, including qualifying as a solicitor or barrister who practise law independently, or work in:

- Law firms in Ireland or internationally
- Large corporations as in-house lawyers
- State bodies or Public Service
- Non-governmental organisations (NGOs)
- EU or other international institutions
- Legal research
- Academia

BCL graduates can also pursue successful careers other than in legal practice (e.g. as diplomats, journalists, broadcasters, authors or researchers) in Ireland or abroad. Graduates can undertake postgraduate law study programmes such as the LLM and/or PhD in their area of interest.

International Study Opportunities

Third year BCL students are offered the widest range of study abroad opportunities at our partner universities in:

Singapore • Milan • Toulouse • Utrecht • Connecticut • Vienna • Miami • Uppsala • Minnesota • Stockholm • California • Exeter • Berlin • Prague • Antwerp • Canberra • Barcelona

NOTE

If you are interested in later qualifying as a lawyer in the USA, the BCL programme is the recommended choice.

Other courses of interest

Business & Law →81
Law with Social Justice →80
Law with French Law →72
Law with History →76

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Law with French Law

BCL (Hons) (NFQ Level 8)

"These four years have been some of the most rewarding of my life. Given the opportunity to study two of the most prominent legal systems in the world, you come out of it with an incredibly wide knowledge. The UCD teaching staff are incredible and because of the class sizes, they get to know you and you them, something quite rare in university. I was also lucky to go to Aix-en-Provence where I was exposed to a whole new culture. You will be surprised as your written and spoken French improves, to the point where you are fully comfortable studying law in both languages."

Rolline Skehan Student

CAO Code **DN600 LFL**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
Students will need a minimum grade H3 in Leaving Certificate French (or equivalent) to take the BCL (Law with French Law) course.

Other courses of interest

Law →71
BCL/Maîtrise →73

www.ucd.ie/**myucd/law**

Why is this course for me?

This degree is one of two French Law Programmes offered by Sutherland School of Law, the other being the BCL/Maîtrise on the opposite page. All students interested in the French Law Programmes enter the BCL [Law with French Law] in first year. Both degrees offer the exciting opportunity for immersion in two of the world's major legal systems, the common law and the civil law.

The BCL [Law with French Law] degree provides you with a qualification in Irish law while acquiring a broad knowledge of French law and a very high level of competence in French language and French legal terminology. Students gain valuable comparative insights which inform an enhanced critical perspective on Irish law.

One year [third] is spent at a leading law school in France.

What will I study?

Most French law modules studied at UCD are taught through French.

First Year
First year focuses on the core Irish law modules of Constitutional Law • Contract Law • Tort Law. This is combined with intensive French language training and an introduction to French Public Law and French Private Law, General Introduction to Legal Studies and General Introduction to Comparative Legal Studies.

Second Year
In second year, you will study other core Irish law modules : EU Law • Property Law • Criminal Law. You will also advance your French language training and continue to study French Private Law and French Public Law.

Third & Fourth Year
You will spend your third year at a partner university in Paris, Toulouse or Aix-Marseille. You will return to UCD for the final year of your BCL degree [where some modules are taught through French] and will be required to complete a dissertation in French on French law.

Career & Graduate Study Opportunities

This degree ensures that graduates are well placed to pursue careers with international law firms, EU and international organisations, diplomacy and government departments, or Non-Governmental Organisations. Past graduates have progressed to study at prestigious institutions in the EU and internationally and others have obtained scholarships to the renowned College of Europe in Bruges.

KEY FACT
Every June we hold a one-day Summer School which gives 5th year pupils a taste of how we teach law. We also host a Law Open Evening every October for secondary school pupils and their parents to meet law students and law lecturers, and to listen to some lectures.

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"The BCL Maîtrise is a great course which will provide many options upon graduation (and delicious pastries for two years!). The international nature of the course will set you up for unique opportunities in international organisations and in countries with civil and common law systems. Thanks to the grounding in Irish and French law that I received, I have worked at the Council of Europe, the UN, Google, and I am now with the Irish Department of Foreign Affairs and Trade. Living in France for two years is a fantastic experience, though students should work on their French before heading over. It will be worth it!"

Amy Shiels Graduate

BCL/Maîtrise

Law Dual Degree – BCL/Maîtrise (NFQ Level 8)

CAO Code **DN600 LFL***

CAO Points Range 2015 **520—605**

Length of Course **4 Years**

DN600 Places **125**

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route **None**

Special Entry Recommendations

Students will need a minimum grade H3 in LC French (or equivalent) to take the BCL (Law with French Law) course.

***Note:** In first year you study the BCL (Law with French Law); in second year, students achieving the highest grades have the option to apply for interview to enter the BCL/ Maîtrise or to continue with the BCL (Law with French Law).

Why is this course for me?

This degree is one of two French Law Programmes offered by Sutherland School of Law, the other being the BCL (Law with French Law) on the opposite page. All students interested in the French Law Programmes enter the BCL (Law with French Law) in first year. Both degrees offer the exciting opportunity for immersion in two of the world's major legal systems, the common law and the civil law.

In second year, the students who have achieved the highest grades in Level I of the BCL (Law with French Law) will have the option to apply for interview to enter the BCL/Maîtrise. The BCL/Maîtrise is an intensive dual degree aimed at highly motivated and ambitious students. **The major difference between the two Programmes is that the BCL/Maîtrise allows you to undertake two degrees:** a degree in Irish law and a degree in French law, the Maîtrise en Droit, from either the Université Panthéon-Assas (Paris II) or the Université Toulouse 1 Capitole. The Maîtrise en Droit (or Master 1) is considered to be a master's level course.

Two years (third and fourth) are spent at either Paris II or Toulouse 1.

What will I study?

Most French law modules studied at UCD are taught through French.

First Year

In first year you study the BCL (Law with French Law) (see opposite page). Students achieving the highest grades at the end of first year then have the option to apply for interview to enter the BCL/Maîtrise, or to continue with the BCL (Law with French Law).

Second Year

In second year, you will study other core Irish law modules : EU Law • Property Law • Criminal Law. You will also advance your French language training and continue to study French Private Law and French Public Law.

Third & Fourth Year

You will spend your third and fourth years in one of our two partner universities. The subjects studied are determined by those institutions.

- Université Panthéon-Assas (Paris II) [see www.u-paris2.fr]
- Université Toulouse 1 Capitole [see www.univ-tlse1.fr]

Career & Graduate Study Opportunities

Graduates of the BCL/Maîtrise obtain a dual qualification which allows them to progress to professional legal training in Ireland or France. Graduates are particularly well placed to pursue careers with international law firms, EU and international organisations, diplomacy and government departments, or Non-Governmental Organisations.

KEY FACT

The BCL/Maîtrise degree appeals to students who wish to pursue a career as a barrister, solicitor or French avocat, as well as to those who aspire to practise in the domains of International and European Law, or in governmental or international institutions.

Other courses of interest

Law →71

Law with French Law →72

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Law & Chinese Studies

BCL (Hons) (NFQ Level 8)

"I chose to study Law and Chinese Studies as I wanted to take the opportunity to gain an amazing degree in law, while simultaneously learning one of the most valuable languages in the world. The variety in this course is really a unique point; in a day I get the chance to learn key aspects of the legal world, before being immersed in the Chinese language and its fascinating culture. The small language classes ensure a complete understanding of the material. Sutherland School of Law is a beautiful facility to be able to study in, and UCD offers a diverse range of services and activities to keep you busy, both inside the classroom and out."

Catherine Moloney Student

CAO Code **DN600 LCS**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Note: Students entering this course are not required to have a prior knowledge of Mandarin. Those with prior knowledge of Mandarin are, of course, welcome, and will be offered Mandarin at a more advanced level than beginners.

Other courses of interest

Law	→71
Law with History	→76
Law with Politics	→79
Law with Philosophy	→78

www.ucd.ie/**myucd/law**

Why is this course for me?

The new BCL (Law & Chinese Studies degree) allows you to undertake a degree in Irish law, whilst simultaneously acquiring a broad knowledge of Chinese law and a very high level of competence in Mandarin legal terminology. During this degree you'll gain comparative insights which inform an enhanced critical perspective on Irish law. Your third year is spent at a leading law school in China.

What will I study?

First & Second Year

First year focuses on the core Irish law modules of:

Constitutional Law • Contract Law • Tort

This is combined with intensive Chinese language training and an introduction to Chinese culture and society.

In second year, you'll continue to build your knowledge of the foundations of Irish law, covering:

EU Law • Property Law • Criminal Law

You'll also advance your Chinese language skills and deepen your knowledge of Chinese affairs.

Third Year

You'll spend your third year at a partner university in Beijing, China (Renmin University or the China University of Political Science and Law (CUPL)), where you'll take some modules through Mandarin.

Fourth Year

On your return to UCD for the last year of your degree, you'll be required to complete a number of modules in Chinese law and to continue your Chinese language training. You'll also choose modules from the full range of Irish law modules including clinical modules from the School's Clinical Legal Education Centre (CLEC).

Note: Some modules on this degree are taught through Chinese. The intensive nature of this degree means that you will not have time to take external modules as part of *UCD Horizons*.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

Graduates obtain a recognised degree in Irish law and are also particularly well placed to pursue legal careers with:

- International law firms
- European and international institutions
- Non- Governmental Organisations

BCL (Law & Chinese Studies) graduates may wish to pursue further studies, including: LLM (International Human Rights), LLM (International Commercial Law) or LLM (Intellectual Property & Information Technology Law), all in UCD Sutherland School of Law. Both Renmin and CUPL have excellent graduate programmes and are among the best law schools in China.

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"I decided to study Law with Economics at UCD because of the flexibility it offered. Choosing law with another subject is a way to really broaden your education and university experience. In addition, UCD provides students with a hands-on approach to legal education. My involvement with the Student Legal Service has allowed me to gain valuable legal skills through its legal clinics and Negotiation Competition. UCD Law's global partners provide a wide variety of exchange opportunities and I plan to spend next year studying at the University of New South Wales, Sydney. "

Robert Lee, Student, Stage 2 Scholar and winner of Irish Tax Institute "Your Take on Tax" essay competition.

Robert Lee, pictured at the Student Legal Services (SLS) Negotiation Competition 2016.

Law with Economics

BCL (Hons) (NFQ Level 8)

CAO Code **DN600 LES**

CAO Points Range 2015 **520—605**

Length of Course **4 Years**

DN600 Places **125**

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

It is strongly recommended that entrants to this programme should have at least a Grade of H6 in Leaving Certificate Maths (or equivalent).

Why is this course for me?

This course allows you to obtain a highly respected degree in Irish law, whilst simultaneously acquiring a broad knowledge of economics. Certain areas of law (e.g. competition regulation and intellectual property) are heavily influenced by economic theory. BCL (Law with Economics) graduates are uniquely equipped to understand these regulatory frameworks in all of their conceptual complexity. On this degree, you'll embark on a field of cross-disciplinary study which is intellectually very demanding, but also tremendously enriching and of immense practical importance.

What will I study?

First & Second Year

First year focuses on core Irish law modules, including:

Constitutional Law • Contract Law • Tort Law

In addition, you are introduced to the principles of micro-economics and quantitative economics.

In second year, you will study:

EU Law • Property Law • Criminal Law

At the same time you'll also develop your understanding of economics and statistics.

Third & Fourth Year

With a wide choice of law and economics modules, you can choose to pursue your own areas of particular interest and tailor your degree through modules including:

Revenue Law • Intellectual Property Law • Trusts Law • Employment Law • Competition Law in Practice • Commercial Law • International Monetary Economics • Game Theory • Macro-Economics

You may select from the clinical law modules offered by our Clinical Legal Education Centre (CLEC).

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

BCL (Law with Economics) graduates have an attractive skill-set which is of undisputed relevance to commercial legal practices and to businesses in Ireland and abroad. Recent graduates have found employment with leading law firms and businesses.

Graduates are also eligible to pursue further study in the fields of:

Commercial Law • Intellectual Property • Economics • Law & Finance • Insolvency Law

International Study Opportunities

Many students take the opportunity of spending time abroad in their third year, at partner universities in:

Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA.

Other courses of interest

Law →71

Business & Law →81

Law with Social Justice →80

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Law with History

BCL (Hons) (NFQ Level 8)

Eamonn Butler receiving a Bank of Ireland Medal from the Hon. Ms Justice Aileen Donnelly.

"I chose BCL with History in UCD as it offered a unique combination of two interesting and complementary areas and because law and history share a natural affinity. The broad range of modules on offer in both disciplines allow students the flexibility to pursue their interests. For example, Advocacy and Mooting gave me practical training in the skill-set of an advocate in court. For students in UCD there is a diverse range of Clubs and Societies to choose from and my participation in the GAA club was invaluable for getting to know like-minded people."

Eamonn Butler Student

CAO Code **DN600 LHY**

CAO Points Range 2015 **520—605**

Length of Course **4 Years**

DN600 Places **125**

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Why is this course for me?

There's a natural affinity between the disciplines of law and history. Each is shaped by the other. Important historical events are often interlinked with contemporary legal structures. Legal reform may be prompted by the defining events of the past.

This course allows you to acquire a highly respected degree in Irish law, whilst also pursuing a passion for history and acquiring a deeper understanding of past events that have shaped our current legal system.

What will I study?

First & Second Year

First year focuses on core Irish law modules, including:
Constitutional Law • Contract Law • Tort Law

In addition, you are introduced to modern European and Irish history.

In second year, you'll study:
EU Law • Property Law • Criminal Law

You'll also engage with international history.

Third & Fourth Year

With a wide choice of law and history modules available, you can pursue your own areas of interest. Modules include:
Jurisprudence • Legal History • Criminology • Fascism • Culture & Revolution

You may also be interested in taking modules offered by our Clinical Legal Education Centre (CLEC), such as Advocacy & Mooting, and The Lawyer, Professional Ethics & Legal Practice.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

BCL (Law with History) graduates can go on to qualify as solicitors and barristers, and pursue law careers in Ireland or abroad. Graduates are also well placed to pursue careers in:

- Legal research
- Politics
- Journalism
- Academia

Relevant graduate study programmes include LLM degrees in:

International Human Rights • European Law & Public Affairs • Legal History

International Study Opportunities

You can apply to study abroad during third year at one of our partner universities in:

Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA

KEY FACT
UCD Law graduates have been admitted to study for postgraduate degrees at many prestigious universities abroad, including Harvard, Oxford, Cambridge, Berkeley and European University Institute.

Other courses of interest

Law	→71
Law with Social Justice	→80
Law with Politics	→79
Law with Philosophy	→78

www.ucd.ie/**myucd/law**

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"Soláthraíonn an cúrsa seo nasc idir Dlí agus Gaeilge le cur chuige nuálaíoch, ilmheán idir theagasc ranga agus mhodúil ar líne. Dírítear ar chruinneas teanga agus ar chúrsaí litríochta ar dtús. Forbraíonn an cúrsa ansin le hoiliúint in ardscileanna teanga i gcomhthéacs dlíthiúil. Ag deireadh na céime beidh mic léinn eolach ar agus ábalta téacsanna dlíthiúla i gcomhthéacs náisiúnta /idirnáisiúnta a aistriú le fócas ar dhlítheangeolaithe / aistritheoirí in institiúidí na hEorpa fosta. Más spéis leat cruinneas teanga i gcomhthéacs dlíthiúil mar aon le cultúr agus litríocht na Gaeilge, soláthróidh an cúrsa rogha fhairsing de dheiseanna fostaíochta do mhic léinn Dlí agus Gaeilge."

Dr. Regina Uí Chollatáin Ceann na Scoile, UCD Scoil na Gaeilge, an Léinn Cheiltigh agus an Bhéaloidis.

Dr. Regina Uí Chollatáin, Head of School, UCD School of Irish, Celtic Studies and Folklore.

Law with Irish

BCL (Hons) (NFQ Level 8)

CAO Code **DN600 LIH**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Why is this course for me?

The BCL (Law with Irish) is a new programme starting in 2017/18. It allows undergraduate law students to access a cohesive set of Irish language modules which are relevant to the study and practice of law. This programme offers you the opportunity to acquire a highly respected BCL degree whilst additionally deepening your competence in the Irish language in the context of law. Your Irish language communication skills will be developed by the resources provided by a modern multi-media language laboratory (An Teanglann) and the advanced language skills training in Lárionad de Bhaldraithe.

What will I study?

First & Second Year

In first and second years your studies in law comprise core modules such as: Constitutional Law • Contract Law • Tort Law • EU Law • Property Law • Criminal Law. Your Irish language modules in first and second year focus specifically on language grammar, accuracy, fluency and writing skills. These include Forbairt na Gaeilge Acadúla, Léamh agus Scríobh na Gaeilge.

Third & Fourth Year

In third and fourth year you may choose from the full menu of law modules and thereby pursue your particular areas of interest. Modules include: Commercial Law • Environmental Law • Family & Child Law • Intellectual Property law • International Human Rights • Jurisprudence • Media Law. You may select from the clinical law modules including Advocacy & Mooting.

You will undertake specific advanced language skills training; analysis and research in the development of legislation in Irish language usage and training in translation and terminology for legal translation. Some modules will be delivered online. Modules include: Teanga na Gaeilge Aistriúchán Dlíthiúil • Aistriúchán agus Dlí • Iriseoireacht na Gaeilge.

Career & Graduate Study Opportunities

Graduates of this programme will have experience in interpreting and using legal information in the context of either the Irish or English language. Their high level of competence in law and in Irish makes them well placed to pursue careers in law or other related careers such as lawyer/linguist, legal translation, or diplomatic service. Careers in media, legal research and academia are also possible career paths.

Relevant graduate study opportunities include LLM degrees.

Note

Given the ambitious standards in the Irish language that this programme intends to provide, students on this programme will not be offered the opportunity to spend a semester studying abroad.

KEY FACT
Many leading Irish and UK Law firms (including Arthur Cox, Matheson, A&L Goodbody, William Fry, and Freshfields Bruckhaus Deringer LLP) host recruitment presentations on campus in UCD. Practical experience gained in clinical law modules may give you a competitive edge when applying for internships or traineeships.

Other courses of interest

Law with Social Justice →80
Law with History →76
Law with Economics →75
Law with Philosophy →78

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Law with Philosophy

BCL (Hons) (NFQ Level 8)

Clíodhna Ní Chéileachair (right), winner of the John Smith Memorial Mace 2016 with Daisy Vera Onubogu (BCL Graduate).

"I had always wanted to study law, but studying it alongside philosophy has enhanced my ability to craft and deconstruct arguments, and to critically analyse legal and philosophical problems. I find that each subject is an interesting counterpoint to the other, and each gives me an interesting angle on the same questions - for example studying Property Law while simultaneously studying the philosophical underpinnings and criticisms of property rights. Being able to argue at this level has been really beneficial. I am a European semi-finalist in competitive debate, winner of the Irish Times Debating Championship and the John Smith Memorial International Mace. The Sutherland School of Law has been incredibly supportive of my extra-curricular interests throughout."

Clíodhna Ní Chéileachair Student

CAO Code **DN600 LPY**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest

Law	→71
Law with Social Justice	→80
Law with History	→76
Law with Politics	→79

www.ucd.ie/**myucd/law**

Why is this course for me?

Legal systems express and reflect the prevailing moral, political, social and economic philosophy of the State. Law and philosophy are, therefore, complementary fields of study. An understanding of law is fundamentally enhanced by a deeper knowledge of philosophical theory. This course offers you a highly respected degree in law combined with an enriched appreciation of its philosophical underpinnings.

What will I study?

First & Second Year

First year focuses on core Irish law modules, including:

Constitutional Law • Contract Law • Tort Law

In addition, you're introduced to modern, moral and continental philosophy.

In second year, you'll take modules in:

EU Law • Property Law • Criminal Law

At the same time, you'll also take modules that engage with the ideas of Hume, Kant, Aristotle and Hegel.

Third & Fourth Year

With a wide choice of law and philosophy modules available, you can pursue particular areas of interest. The choice of modules includes:

Jurisprudence • Media Law • Human Rights Law • Philosophy of Law • Critical Theory • Medieval Philosophy

You may also be interested in taking modules offered by our Clinical Legal Education Centre (CLEC), such as Advocacy & Mooting, and The Lawyer, Professional Ethics & Legal Practice.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

BCL (Law with Philosophy) students can choose to study the modules necessary for legal professional recognition, which enables them to pursue legal careers as solicitors or barristers.

Graduates are also well suited to careers in:

- Legal research (e.g. at the Law Reform Commission)
- Politics
- Media
- Diplomatic service
- Academia

Relevant graduate study programmes include LLM degrees in:

International Human Rights • European Law & Public Affairs

International Study Opportunities

You can apply to study abroad during third year at one of our partner universities in:

Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA

KEY FACT
All final year UCD Law students can apply for US externships in the federal courts and the federal defender's office.

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"Law with Politics is a course that is perfectly suited for students who wish to further their understanding of the world around them. The two disciplines are intrinsically linked and complement each other very well. You learn to understand legal concepts and apply them in real life situations, as well as an understanding domestic and international politics. In UCD you have the opportunity to join various societies and to participate in "moot" courts to argue hypothetical cases. I found joining societies a great way to make many new friends. I have thoroughly enjoyed my time at UCD and studying Law with Politics."

Kevin Bassett Student

Dr Oonagh Breen with students in the Law Society, Chancery Lane, London, as part of the UCD Corporate & Commercial Law Study Visit.

Law with Politics

BCL (Hons) (NFQ Level 8)

CAO Code **DN600 LPS**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Why is this course for me?

Law and politics are inextricably linked by the legislative process. This course allows you to obtain a highly respected law degree, whilst also acquiring a deeper understanding of political theory and the political process. Many UCD law graduates have progressed to political careers. Others have become high-profile political commentators.

What will I study?

First & Second Year

First year focuses on core Irish Law modules, including:

Constitutional Law • Contract Law • Tort Law

In addition, you're introduced to political theory and Irish and international political systems.

In second year, you'll study:

EU Law • Property Law • Criminal Law

You'll also take modules that engage with political theory, comparative politics and international relations.

Third & Fourth Year

With a wide choice of law and politics modules, you can choose to pursue your own areas of interest. These include:

Jurisprudence • Media Law • Human Rights Law • Contemporary Issues in Law & Politics • Foreign Policy • Political Economy • Middle East Politics

Clinical Legal Education Centre (CLEC) modules are also available, including Advocacy & Mooting, Alternative Dispute Resolution and The Lawyer, Professional Ethics & Legal Practice.

Law students are often very active in university politics and in the Students' Union. As a BCL (Law with Politics) student you may be interested in developing your practical skills through participation in the legal information clinics of the UCD Student Legal Service.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

BCL (Law with Politics) graduates are well equipped to pursue careers in:

- Legal practice
- Politics
- Broadcasting
- Journalism
- Legislative drafting (e.g. in Office of Parliamentary Counsel)
- Academia
- Non-Governmental Organisations
- Public Service

Relevant graduate study programmes include: International Human Rights • European Law & Public Affairs • International Relations

International Study Opportunities

Many students apply to spend time abroad during their third year at partner universities in:

Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA

Other courses of interest

Law with Social Justice →80
Law with History →76
Law with Economics →75
Law with Philosophy →78

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Law with Social Justice

BCL (Hons) (NFQ Level 8)

Deirdre Duke, UCD Ad Astra Academy Elite Athlete Scholar.

"Choosing to study Law and Social Justice is one of the best decisions I have ever made. My studies in social justice have allowed me to develop my critical thinking and broaden my perspective on very prominent world issues which have helped me enormously in my study of law. Beyond academia, I am a member of the UCD LawSoc and UCD Hockey Club and play on the Irish Senior Women's Hockey team. The academic and sporting facilities in UCD are second to none and the atmosphere on campus makes it a very enjoyable place of study."

Deirdre Duke Student

CAO Code **DN600 LSJ**

CAO Points Range 2015 520—605

Length of Course 4 Years

DN600 Places 125

Entry Requirements

English • Irish • A third language • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Other courses of interest

Law	→71
Law with History	→76
Law with Politics	→79
Law with Philosophy	→78

www.ucd.ie/**myucd/law**

Why is this course for me?

The BCL with Social Justice programme, the first of its kind in Ireland, combines the study of Law with the study of social exclusion, its causes and remedies. It will appeal to students who are interested in issues of equality, diversity and disadvantage, and who want to look in-depth at the social context in which law operates. On completion, you'll be uniquely equipped to offer a critical perspective on issues such as the adequacy of our criminal justice system, the legal treatment of women and minority groups, and the underlying causes of social and economic injustice.

What will I study?

First & Second Year

First year focuses on core Irish law modules, including:

Constitutional Law • Contract Law • Tort Law

It combines this focus with an introduction to normative theory on human rights, inequality and global justice.

In second year, you'll study:

EU Law • Property Law • Criminal Law

At the same time you'll also take modules to develop your understanding of gender theory and social justice movements.

Third & Fourth Year

With a wide choice of law and social justice modules, you can tailor your studies by choosing modules that reflect your areas of interest. Modules include:

Criminological Theory • Environmental Law • Public International Law • Employment Law • Matrimonial Law • Family & Child Law • Childhood Inequalities

Clinical Legal Education Centre (CLEC) modules are also available, including Advocacy & Mooting, Alternative Dispute Resolution and The Lawyer, Professional Ethics & Legal Practice.

Throughout the four years of the degree, you'll participate in a specially designed Law and Social Justice Seminar. You may get involved in UCD's Student Legal Service which offers legal information clinics to students.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

This degree will provide an ideal platform for careers in:

National and international Non-Governmental Organisations as legal advisors or researchers • Public policy

Relevant graduate study programmes include:

International Human Rights • Criminology • Equality Studies

International Study Opportunities

Many students apply to spend time abroad during their third year at partner universities in:

Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA

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"I am a third year Business & Law student. The BBL modules are led by engaging and approachable lecturers who create a thought-provoking environment.

I'm heavily involved in extra-curricular activities (especially Leinster Rugby) which are facilitated for, and encouraged by UCD.

The BBL programme allows me to strike a balance between my demanding sport schedule and continuing my excellent degree."

Garry Ringrose Student

Dr Mary Catherine Lucey, Associate Dean for Undergraduate Studies (Law), with Garry Ringrose (BBL) who received the President's Award for Excellence in Student Activities.

Business & Law

BBL (Hons) (NFQ Level 8)

CAO Code **DN610**

CAO Points Range 2015 **530—625**

Length of Course **4 Years**

DN600 Places **120**

Entry Requirements
English • Irish • A third language • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Why is this course for me?

The BBL degree combines law and business into a single degree, providing you with an ideal skill-set for the commercial world and offering valuable career flexibility. BBL graduates are uniquely equipped with the analytical and advocacy skills that arise from a legal training, combined with the numeracy and financial literacy of a business degree.

What will I study?

First, Second & Third Year

During your first three years you'll study both business and law modules in equal measure and you'll learn how these two disciplines interrelate. In addition to studying core Law degree subjects, such as Contract Law, Tort Law and EU Law, you may choose from a large variety of other law modules including:

Revenue Law • Commercial Law • Intellectual Property Law • Employment Law

The range of business modules includes: Accountancy • Management • Finance • Economics • Marketing

Fourth Year

According to your preference and career plans, you can choose to specialise in Law or Business.

BBL students may choose clinical legal education modules offered at the Clinical Legal Education Centre (CLEC), including Competition Law in Practice, Alternative Dispute Resolution and Advocacy & Mooting.

Note: The intensive nature of the BBL degree means that you will not have time to take external modules offered as part of *UCD Horizons*.

You'll attend lectures and tutorials, in addition to engaging in study and preparatory work. A sample timetable can be viewed at **www.ucd.ie/myucd/law**.

Assessment is through a combination of end-of-semester examinations, essays and group work projects.

Career & Graduate Study Opportunities

BBL students can select the modules necessary for legal professional recognition, which will allow them to go on to qualify as a solicitor or barrister, and work in legal practices in Ireland or abroad. Graduates can also pursue careers in:

- Accountancy
- Finance
- Tax consultancy
- Corporate banking
- Business analysis

BBL graduates also have the option of pursuing postgraduate qualifications in either Law or Business.

International Study Opportunities

BBL students can apply to spend a semester of third year on exchange in overseas universities including:
Sydney • Brisbane • Innsbruck • Louvain-la-Neuve • Rouen • Munich • Milan • Madrid • Pamplona • Tulsa

KEY FACT
You will study your business modules at the only Irish business school accredited by both AACSB (the principal American accreditation) and EQUIS (the leading European accreditation).

Other courses of interest

Law →71
Law with Economics →75
Commerce →84

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Deloitte Analytics Laboratory,
UCD Lochlann Quinn School of Business

As in the business world, the UCD Lochlann Quinn School of Business is constantly adapting and evolving so that our graduates are best placed to become tomorrow's leaders. Our excellent curriculum, top-class education facilities and world-class academics ensure that we will prepare you for your future... wherever you want it to take you.

We are the leading Irish business school, with the most prestigious international accreditations. We are leaders in business education, for future business leaders.

Business

Commerce	84
Commerce International	86
Business Analytics	87
Economics & Finance	88
Diploma/Bachelor of Business Studies	89
Business & Law	81
Actuarial & Financial Studies	122

Why UCD Business?

Accreditation: We are the only Irish business school accredited by both AACSB (the principal American accreditation) and EQUIS (the leading European accreditation). We are also a member of CEMS (an international alliance of leading business schools). This means that our degrees are internationally recognised and come with a mark of quality, which can give you advantages when looking for employment opportunities.

International Opportunities: Our programmes offer you the opportunity to study abroad and experience the culture of countries such as France, Germany, China, Singapore, New Zealand, Canada and Australia.

Internship Programme: Within the Commerce, Economics and Finance, and Business Analytics programmes you can apply for a professional internship. This offers a first-class business experience with top international or Irish companies. Our students have completed internships in companies such as Google, Paddy Power, LinkedIn, Skype, Kerry Group and Bank of Ireland.

Careers: The School has a very successful record in graduate employment. A significant number of graduates are employed in top-tier corporations, both domestically and overseas.

Your First Year Experience

Our degrees have been developed in consultation with industry leaders and they reflect the changing business world. During your first year you will learn about the foundations of business, and will be challenged to think critically about its role in society.

You will develop not only your understanding of business theory and practices, but also the skills needed for a successful career. Employers seek graduates whose attributes include communication, management, leadership and team work skills, and graduates who are problem solvers, independent thinkers and ethically minded. Our courses use business simulations, case studies, presentations, web and blog development, and video projects to develop graduates with these attributes.

Your first year experience can involve a lot more than study – you can also participate in extracurricular activities such as clubs and societies or volunteer in community projects. This is actively encouraged as it is seen as an important part of developing your skills, with the ultimate goal to help you build a successful business career.

You will be taught by Ireland's leading business academics, and supported and guided through your studies by Peer Mentors, Student Advisers and a dedicated Business Programme team.

Bachelor of Commerce

BComm (Hons) (NFQ Level 8)

"I chose UCD due to its modern curriculum and its practical approach to education. Studying an extensive range of modules for the first 2 years, completing a 9 month work placement for my 3rd year, and specialising in my final year has allowed me to build a broad knowledge base, put this to use in a real world setting, and then focus on areas where I could expand my knowledge. I have found Commerce incredibly useful and feel that I have developed a strong business acumen during my time at UCD."

Richard McDonagh Student

CAO Code **DN650**

CAO Points Range 2015 **500—605**

Length of Course **3 Years**
(4 Years with optional internship)

Places **215**

Entry Requirements
English • Irish • A third language • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Commerce International	→86
Economics & Finance	→88
Business & Law	→81
Business Analytics	→87

Why is this course for me?

The BComm at UCD is a challenging course designed for ambitious and achievement-oriented students who wish to make a significant impact in the business world. You'll learn about the recent themes and trends transforming the business landscape such as globalisation, technological change, and environmental sustainability.

Through case studies, business simulations, and company projects you'll have the opportunity to apply what you are learning in the classroom. With a wide range of electives, the BComm gives you the flexibility to develop your own personal niche of expertise.

You'll learn to become an independent and critical thinker and a cogent and compelling communicator; able to work seamlessly in groups; to develop the technical and mathematical skills to analyse and make sense of business data and intelligence.

What will I study?

In your first and second year you will study a wide range of business disciplines. This will give you a solid understanding of the foundations of business. In your final year you have the opportunity to focus your module choices on a specific subject area or to continue studying subjects from across the broad range of business disciplines. Throughout your degree, you will choose Horizon Electives.

First Year
Accounting • Economics • Organisational Behaviour • Management Theory • Maths & Statistics • Information & Communications Technology • Real-life Business Simulations

Second Year
Financial & Managerial Accounting • Marketing • Human Resources & Industrial Relations • Management • Finance • Business Analytics

Third Year
Business Strategy • Information Management • Personal Development Planning • Contemporary Issues in Management & Organisational Behaviour • New Venture Creation & Development

For further curriculum details, see **www.ucd.ie/quinn/courses/bcomm/**.

Career & Graduate Study Opportunities

BComm graduates find employment in private, public and non-profit sectors or set up their own business. Possible career paths include:

- Accountancy (e.g. professional training in industry, management accountants, auditors)
- Banking and finance (e.g. investment banker, stockbroker, venture capitalist)
- Human Resources Management (e.g. HR manager, ergonomist, training consultancy)
- Information Systems (e.g. data analyst, ICT project leader, business analysts)
- Management (e.g. management consultant, entrepreneur, supply chain manager)
- Marketing (e.g. advertising, brand management, social media manager)

International Study Opportunities

In second year, you have the opportunity to study abroad for a semester in one of our partner universities in Europe, Canada, Singapore, New Zealand and Australia.

Internship programme

Our one-year Internship Programme places students (who have come through the internship application process successfully) with leading national or international companies. The students then can put classroom theory into real-life practice.

www.ucd.ie/**myucd/bus**

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Studying the UCD BComm

PERSONAL DEVELOPMENT	BUSINESS IN SOCIETY	INNOVATION & ENTERPRISE

Years 1 & 2 — Engage with the principles of Business

- Accountancy
- Mathematics
- Marketing
- Management
- International Study Opportunity
- Finance
- Statistics
- HR
- Economics

1 Year Optional Internship Opportunity

Year 3 or 4 — Refine your knowledge

- Accountancy
- Human Resource Management
- Management & Innovation
- Marketing
- Management Information Systems
- Banking & Finance

Bachelor of Commerce (Honours)

UCD graduate studies in Business

Continue your study with a Master's at UCD Michael Smurfit Graduate Business School in areas such as Accounting, Human Resource Management, Management Consulting, Marketing and more.

Careers in Business

Management

- Management Consulting
- Managing Multinational Operations
- Managing Outsourcing
- IT – Business Analyst/Business Analysis/Systems Design
- Graduate Development Programmes
- Managing Technology Development, e-Business

Public Sector

- International Development/ Not-For-Profit
- Non-Governmental Organisations (NGOs)
- EU Institutions
- Public Service/ Teaching

Financial Services/ Financial Institutions

- Investment Banking/ Corporate Finance/Trading
- Accountancy
- Investment Management
- Taxation/Tax Consultant
- Insurance

Marketing

- Marketing/Brand Management
- PR/Advertising/Event Management
- Business Development/Sales
- Media/Publishing/Communications

Human Resources

- Change Management
- Training & Development

Continue to develop your business career with UCD: MBA, Executive Education, PhD

Bachelor of Commerce International

BComm (Hons)(International)
(NFQ Level 8)

"The main reason I chose this course was because I would be able to study for a year in a country completely different to Ireland, but still be guaranteed a world-class education because of UCD's fantastic university partners. Apart from that, the great facilities and really engaging lecturers at the Quinn School really made it obvious to me that this was the right place to begin my journey into the business world."

Ohuntoluse Akinlabi Student

CAO Code **DN660**

CAO Points Range 2015 **515—625**

Length of Course **4 Years**

Places **97**

Entry Requirements

English • Irish • A third language • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Special Entry Recommendations for French Language Combination

Students will need a minimum grade H4 in LC French (or equivalent) to take any French language combinations.

Other courses of interest

Economics & Finance →88
Actuarial & Financial Studies →122
Bachelor of Commerce →84

Why is this course for me?

The BComm International (BCIT) combines a flexible business education from Ireland's leading business school with the linguistic skills and a cultural understanding to succeed in the exciting world of international business.

Students of the BCIT course are well-grounded in the theory and practice of business management and equipped to understand and comment critically on business issues. This, coupled with the study of a chosen language and culture, gives graduates a unique competitive advantage in understanding the global business world.

You'll spend your third year abroad in one of our partner institutions. As Ireland's number one business school, our international reputation means our partner universities are highly regarded destinations for your study.

What will I study?

In your first semester you'll study two languages, choosing from Chinese, French, German, Italian or Spanish. (A Spanish/German combination in first year may be subject to change.) With the exception of French (H4 requirement), you have the option to study these languages from beginner level.

Towards the end of this semester you'll select one language to pursue to degree level (as a minor). (Please see table on page 194) During the first two years, you'll also receive a firm foundation in core business disciplines and language modules. Examples include:

First Year

Accounting • Economics • Maths & Statistics • Organisational Behaviour • Business in Society • Language & Culture/Literature modules

Second Year

Managerial Accounting • Marketing • Human Resources & Industrial Relations • Management Theory • Finance • Information & Communications Technology • Language & Culture/Literature modules

Third and Fourth Years

When studying abroad in third year you'll have two options:

The Modern Languages Route: You'll attend one of our partner international universities or business schools, where you'll continue your studies in the host language (except for Chinese, where you'll study the Chinese language, along with business modules through English). In fourth year you continue studying business and your chosen language subjects at UCD.

The Global Business Route: You'll study through English at one of our international partner universities or business schools before returning to UCD in fourth year, where you'll focus on studying business and intercultural skills, with no language.

In final year you can specialise in a particular business discipline (such as Accountancy, Management, Marketing, Banking and Finance, MIS or HRM) or study a mix of business subjects.

Students attend lectures, tutorials and seminars, and undertake group and individual presentations, project work and independent study. Projects include case studies, business simulations, presentations and web development.

Career & Graduate Study Opportunities

BComm International graduates find employment in the private, public and not-for-profit or NGO sectors, or set up their own companies. Many different career paths are available, and students who can combine an international language with a business qualification are highly employable graduates for multinational companies.

www.ucd.ie/**myucd/bus**

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"The UCD BSc in Business Analytics is an exciting programme, the first of its kind in Ireland. It gives students the foundation in business topics, such as management and finance, and adds training in the specialised concepts and skills required for employment or further study in analytics: mathematics, statistics and computer programming. It includes an optional internship, during which students work in top tech, finance and consultancy companies."

Dr. James McDermott Lecturer

Business Analytics

An option of **Quantitative Business**

BSc (Hons) (NFQ Level 8)

CAO Code **DN670 BSA**

CAO Points Range 2015 **585—625**

Length of Course **3 Years**
(4 Years with optional internship)

Places **60** (Quantitative Business)

Entry Requirements
English • Irish • A third language • Mathematics (Min H4 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Why is this course for me?

Business Analytics is about making the best possible use of the huge volumes of data that are now created every day in every sector of business, from social media to traditional manufacturing. Business analytics is a branch of applied mathematics that uses quantitative and computer techniques to improve decision-making in business. It involves processing that data to find patterns that can lead to insight, predictions and better decisions.

There is a recognised growing skills shortage in business analysts in the Irish business environment. This programme prepares students who would like to work in organisations that need to extract and understand meaningful information from big data.

This programme will attract a student who is analytical in nature and interested in computing or mathematics. With business analytics skills you can become an integral employee in any organisation who has access to, or an understanding of the importance of data.

What will I study?

First Year
Business Analytics • Linear Algebra • Statistical Modelling • Economics, Micro & Macro • Financial Accounting • Advanced Calculus • Statistics & Probability • Programming

Second Year
Linear Models • Project Management • Analytics Modelling • Graphs and Networks • Probability Theory • Business Live • Management Accounting • Computational Modelling • Global Ops & Supply Chain • Business electives

Final Year
Information Management • Decision Analytics • Business Intelligence and Big Data • Computational Modelling II • Supply Chain Analytics • Market Analytics • Advanced Data Management • Data Mining • Business electives

Career & Graduate Study Opportunities

A wide range of organisations need business analytics graduates to make sense of the enormous amounts of data now available for decision-making. The BSc in Business Analytics programme can lead to careers in:

- Software design
- Customer insights management
- Management consultancy
- Business intelligence
- Financial and revenue analysis
- Operations research
- IT planning management
- Logistics management

Internship programme

Our one-year Internship Programme places students (who have come through the internship application process successfully) with leading national or international companies. The students then can put classroom theory into real-life practice.

Other courses of interest

Economics & Finance →88
Actuarial & Financial Studies →122

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Economics & Finance

An option of **Quantitative Business**

BSc (Hons) (NFQ Level 8)

"For students with an interest in the world of Finance and Economics, and strong mathematical ability, there is no better course than the BSc Economics & Finance. By the time they graduate students are equipped with an impressive skillset that includes a strong mathematical grounding, Financial and Economic modelling skills, and an understanding of how the markets work. This is a highly respected course with many of my classmates quickly snapped up by the best firms in Ireland and abroad, while others were accepted into the most prestigious universities around the world for further study. For high-achieving students there is no other course that will provide a better framework to maximise their potential."

Kevin Sweeney Student

CAO Code **DN670 ECF**

CAO Points Range 2015 **585—625**

Length of Course **3 Years**
(4 Years with optional internship)

Places **60** (Quantitative Business)

Entry Requirements
English • Irish • A third language • Mathematics (minimum H4 in LC or equivalent) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest

Business Analytics	→87
Actuarial & Financial Studies	→122
Mathematical Science	→114
Economics	→40

Why is this course for me?

If you have a strong interest or ability in economics, maths and statistics, this degree provides everything you need for a future career in the areas of financial economics, banking and finance. Recognised as one of Ireland's premier degrees in these areas, it aims to equip you with expertise in quantitative methods and analytical skills, and rigorous training in economics and finance.

You'll discover how the economy works; learn vital management and analytical skills; and combine this knowledge to pursue a career in finance. It's a competitive programme, but with good employment rates and above-average starting salaries, it's a proven one.

We have internationally recognised academics teaching a progressive curriculum in excellent learning facilities. Our Data Analytics Lab houses the most up-to-date Bloomberg Financial Terminals, ensuring the most modern teaching is delivered in each subject area.

What will I study?

Initially you'll develop your knowledge and understanding of core subjects and principles underlying economics and finance. You'll then learn to evaluate how they're applied in practice. In third year you'll be able to pick from a number of options so that you can specialise in the subjects that interest you most. Modules include:

First Year
Economics, Micro & Macro • Statistics, Statistical Modelling & Statistical Probability • Financial Accounting • Introduction to Analysis • Principles of Finance • Linear Algebra • Advanced Calculus

Second Year
Taxation • Probability Theory • Economics, Macro 1 & Micro 1 • Financial Institution Management • Optimisation in Finance • Irish Economy • Advanced Corporate Finance • Analysis • Financial Mathematics

Third Year
You can choose to specialise in one of the following areas:

Maths & Statistics, Economics or Finance.

Students attend lectures, tutorials and seminars, and undertake group and individual presentations, project work and independent study.

Assessment is through a combination of continuous assessment and end-of-semester exams.

Career & Graduate Study Opportunities

This highly regarded degree offers you exceptionally good prospects in banking and financial services. Other possible areas for future employment or study are:

Analytics or risk analysis • Stock brokering • Fund management • Investment banking • Insurance • Corporate finance • Economics

International Study Opportunities

We encourage you to pursue an international study experience with our exchange partners across the globe, currently including Toronto and Singapore. Studying abroad is a rewarding cultural experience and also improves your knowledge of international business practices.

Internship Programme

Our one-year Internship Programme places students (who have come through the Internship application process successfully) with leading national or international companies. The students then put classroom theory into real-life practice.

www.ucd.ie/**myucd/bus**

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"The main benefit of the part-time DBS/BBS degree at UCD is that I don't have a daily commute to UCD and, with my work and personal schedule, this aspect stands out the most. Having the ability to work online and remotely from any place in the world, with access to UCD online library resources, is a fantastic facility for part-time students. The programme provides a weekly study schedule on each module and on what topics should be covered. I feel the mixture of the online resources and class lectures is well balanced."

Des Donohoe Student

Diploma/ Bachelor of Business Studies

(NFQ Level 7/NFQ Level 8)

CAO Code **NON-CAO**

Why is this course for me?

Why not combine work, study and family commitments through a more flexible approach to your learning? Our business diploma and degree programmes involve a blend of home study, occasional campus attendance and online learning, underpinned by an infrastructure of student supports.

The course is delivered through both part-time weekend attendance on campus and home study. Attendance on campus is scheduled in two-day blocks (Fridays and Saturdays) over six weekends in each academic year.

After the first two years, successful participants will be awarded a Diploma in Business Studies (NFQ Level 7) and, after a further two years, a Bachelor of Business Studies (NFQ Level 8).

What will I study?

You'll develop a solid, conceptual understanding of business and organisational management, along with the knowledge application, communication and leadership skills necessary in a modern business environment.

In the first two years you'll be introduced to the fundamentals of management. You'll gain a thorough understanding of the main business disciplines and the principles of management in an Irish and global context. This stage of the course introduces you to the key business functions, including:

Management • Organisational Behaviour • People Management • Accounting • Business Law • Economics • ICT • Marketing

We also have two study skills modules designed specifically to help you in returning to education.

In the Degree stage you'll be introduced to the functions of strategic management. You'll explore key aspects of modern business organisation, including:

Business Strategy • Change Management • HRM • Economics • Project Management • Entrepreneurship • Accounting Information for Managers • Financial Management • International Business

You'll also have the opportunity to undertake a major project in a self-selected management area of business practice.

Career & Graduate Study Opportunities

Our students come from a wide variety of backgrounds, including office administration, junior management, craft and non-craft manual categories, and professional occupations. Many join the course with a view to improving their prospects for career advancement or career change.

Student Support

We recognise the needs of our mature students who are returning to learning, so a personal tutor is assigned to you during your studies. This tutor, or Learning Support Officer, is your first point of contact and they can advise you on any academic or administrative queries you may have.

Length of Course

2 Years (DBS) + 2 Years (BBS)

Entry Requirements

Eligibility for the programme is considered on the basis of mature years (a minimum age of 23 years on 1 January of the year of entry) or on the basis of matriculation (a minimum age of 21 years on 1 January of the year of entry with students having fulfilled the Matriculation requirements of the National University of Ireland). Exemptions from the Diploma in Business Studies may be granted in the case of holders of a HETAC Higher Certificate, or Ordinary Degree in Business Studies (with Merit or Distinction) or an equivalent qualification.

Fees

The "Free Fees Initiative" does not apply to this course. Please see www.ucd.ie/fees for information.

Centre for Distance Learning
UCD School of Business
Belfield, Dublin 4

bbs@ucd.ie
+353 1 716 4738/4821
facebook.com/UCDQuinnSchool

www.ucd.ie/**myucd/bus**

The UCD O'Brien Centre for Science provides state-of-the-art lecture theatres, laboratories, classrooms and active learning environments for undergraduate learning. The laboratories are designed for groups of 25 students, ensuring that students get individual attention in modern, world-class facilities.

Science

BSc (Hons) DN200 | DN201
BAFS (Hons) DN230

Biological, Biomedical & Biomolecular Sciences

Biochemistry & Molecular Biology 95
Cell & Molecular Biology 96
Environmental Biology 97
Genetics 98
Microbiology 99
Neuroscience 100
Pharmacology 101
Physiology 102
Plant Biology 103
Zoology 104
Biology & Mathematics Education 105

Chemistry & Chemical Sciences

Chemistry 106
Chemistry with Biophysical Chemistry 107
Chemistry with Environmental & Sustainable Chemistry 108
Medicinal Chemistry & Chemical Biology 109
Chemistry & Mathematics Education 110

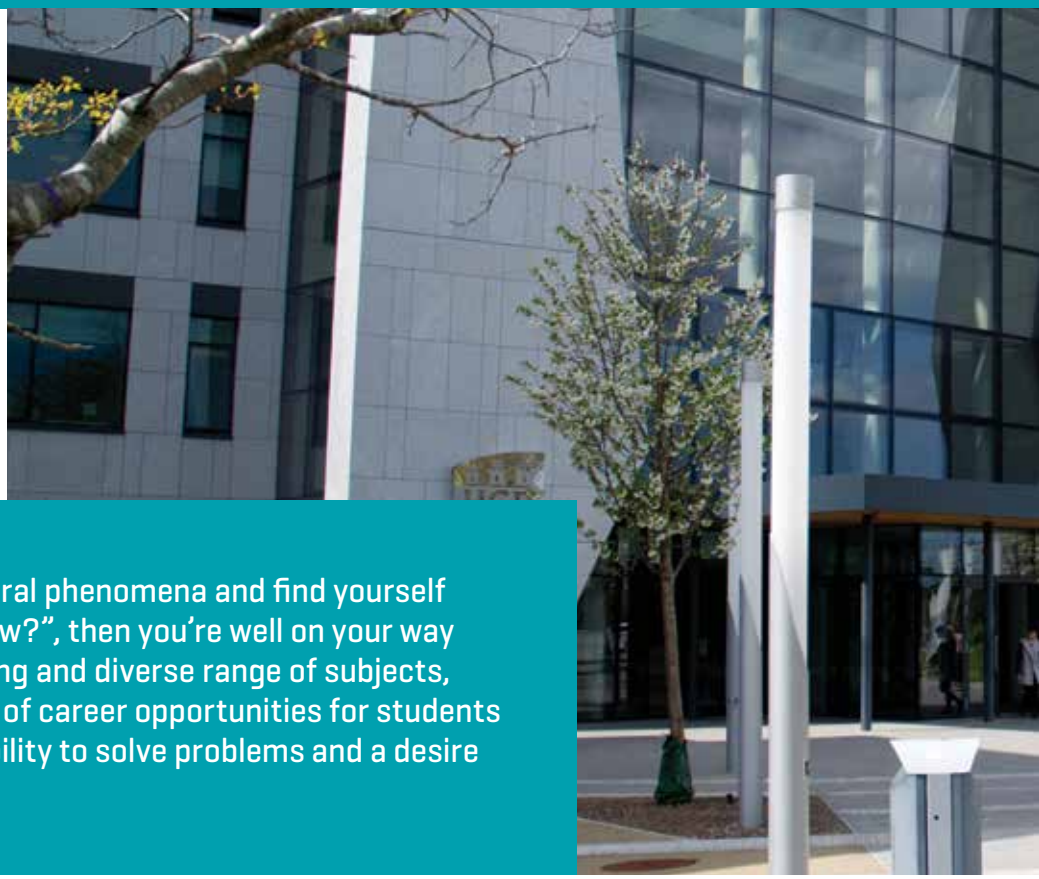
Mathematical, Physical & Geological Sciences

Applied & Computational Mathematics 111
Financial Mathematics 112
Mathematics 113
Mathematical Science 114
Statistics 115
Physics 116
Physics with Astronomy & Space Science 117
Theoretical Physics 118
Geology 119
Applied Mathematics & Mathematics Education 120
Physics & Mathematics Education 121

Computer Science & Actuarial and Financial Studies

Actuarial & Financial Studies 122
Computer Science 123
Computer Science with Data Science 124

Why UCD Science?



If you have a fascination with natural phenomena and find yourself constantly asking "why?" and "how?", then you're well on your way to being a scientist. With an exciting and diverse range of subjects, Science at UCD unfolds a universe of career opportunities for students who have an enquiring mind, an ability to solve problems and a desire to explore new worlds.

THE LARGEST SCIENCE COMMUNITY IN IRELAND

2,000
Undergraduates

1,500
Masters & PhD Students

1,000
Researchers

UCD offers the broadest and most diverse Science programme in Ireland, with degree courses in biological, biomedical, chemical, geological, mathematical, physical and computer sciences, all delivered by lecturers at the forefront of teaching and research. By fourth year you will conduct your own research and communicate your discoveries under the guidance of some of Ireland's top scientists.

Career & Graduate Study Opportunities

There is a wide range of career opportunities available to Science graduates. UCD Science graduates are skilled at analysing data, writing reports and solving problems, and are trained to use their own initiative – all qualities that companies are looking for in employees. These skills can be transferred to businesses ranging from biotechnology, conservation and wildlife to IT, finance and forensics.

Many graduates continue their studies to master's or doctoral degree level. Leading UCD institutes and research centres include the UCD Conway Institute, UCD Earth Institute and UCD CASL (Complex & Adaptive Systems Laboratory). UCD is also home to NovaUCD, the Innovation and Technology Transfer Centre. Notable successes include the establishment of a range of spin-off companies including ChangingWorlds and Lightwave Technologies.

Your First Year Experience

We offer a flexible and innovative undergraduate Science curriculum through the UCD Horizons programme. In addition to studying the subjects required for your degree, you also have the option to study outside your course by taking elective modules. We offer comprehensive advisory sessions at the start of the year with science lecturers and other staff to help you choose the right modules.

A key feature of UCD Science is our Peer Mentoring programme, which sees all first year Science students linked to a second or third year Science student. Your Peer Mentor will help you to get to know the ropes, answer all your questions and offer great advice and support as you adapt to college life. Academic advice is also available from experienced tutors when you drop in to the Maths and Computer Science Support Centres.

Tours of the UCD O'Brien Centre for Science can be arranged for individuals or groups by contacting

gary.dunne@ucd.ie

DN200 Science

The first year of the DN200 Science programme is designed to enable you to sample a number of subjects in your chosen area. There are core subjects required for all degrees, e.g. Mathematics, but you do not have to study all the Science subjects in first year. You could, for example, concentrate on one area, such as Physics, but you can also try subjects from anywhere within Science, including subjects you may not have studied before, such as Geology. Students also have the option to become Science and Maths teachers at post-primary level.

The choices you make in first year will have a bearing on your final degree subject(s). In first year, students have a mixture of lectures and practical classes every day. Typically, lectures take place in the mornings and most practicals take place in the afternoons. In addition to the modules you must study within your Science degree, you take two modules called electives. You may choose these from anywhere across the University, including Science.

Towards the end of first year, students choose a number of subjects to study in second year. Students will major in one of these subjects and will continue to study that subject in third and fourth year.

The UCD Science DN200 course offers 27 subjects categorised into the following options:

- **Biological, Biomedical & Biomolecular Sciences** (BBB)
- **Chemistry & Chemical Sciences** (CCS)
- **Mathematical, Physical and Geological Sciences** (MPG)
- **No Preference** (NPF)

Key points to note about the DN200 Science include:

- DN200 is not a "General Science" degree. It is an Honours degree course where students specialise in one of 27 subjects for their final degree.
- This course is ideal if you're undecided about which area of Science interests you most. Selecting 'No Preference' on your CAO form ensures flexibility to explore the range of science subjects.
- The No Preference option is also ideal if you're interested in subjects across more than one stream, e.g. Chemistry and Chemical Sciences (CCS) and Mathematical, Physical and Geological Sciences (MPG).
- If you know the stream you're interested in studying, you can select it on your CAO form and you can focus on that area of study from first year. For example, if you're interested in Theoretical Physics, you can focus your studies on Physics, Mathematics and Applied & Computational Mathematics and you don't need to study any Biology or Chemistry.
- All DN200 Science students are guaranteed a degree from within a stream of their choice. In general, 98% of students study their first choice of degree subject in Years 3 and 4; the remainder study their second choice.

The **DN201 Computer Science** course is mainly a software engineering degree and is suitable for students with or without previous programming experience. The **Bachelor of Actuarial & Financial Studies (BAFS) DN230** offers the maximum exemptions from the Core Technical and Core Application exams and is designed for students interested in becoming actuaries.

KEY FACT

The DN200 Science course is very flexible and enables you to make an informed decision about which subject to major in.

Studying UCD Science DN200

Years 1 & 2 — Engage with the principles

Biological, Biomedical & Biomolecular Sciences	Chemistry & Chemical Sciences	Mathematical, Physical & Geological Sciences	Explore all options

In first and second year, you can select modules from all the subjects below to explore a range of subjects or focus on your preferred subject area.

Pathway models for each subject including Actuarial & Financial Studies, Computer Science and Computer Science with Data Science are at **www.ucd.ie/science/ucdscience.pdf**

Years 3 & 4 — Follow your pathway

Biological, Biomedical & Biomolecular Sciences		Chemistry & Chemical Sciences	Mathematical, Physical & Geological Sciences	
Biochemistry & Molecular Biology	Cell & Molecular Biology	Chemistry	Applied & Computational Mathematics	Financial Mathematics
Environmental Biology	Genetics	Chemistry with Biophysical Chemistry	Mathematical Science	Mathematics
Microbiology	Neuroscience	Chemistry with Environmental & Sustainable Chemistry	Physics	Statistics
Pharmacology	Physiology	Medicinal Chemistry & Chemical Biology	Theoretical Physics	Physics with Astronomy & Space Science
Plant Biology	Zoology	Chemistry & Mathematics Education*	Applied Mathematics & Mathematics Education*	Geology
Biology & Mathematics Education*				Physics & Mathematics Education*

BSc (Honours)

Taught & Research Master's of Science (MSc)

Doctor of Philosophy (PhD) Science

Research & Academia

Shape your career with UCD Science

- Pharmaceuticals, Biotechnology & Hospitals
- Environmental Consultancies
- Conservation & Wildlife
- Water Utility, Mining & Energy
- Business & Finance
- Publishing, Media & Journalism
- Agriculture, Forestry & Fishing
- Clinical Trials & Medical Devices
- State Agencies - Bord Iascaigh Mhara, Irish Medicines Board Forensic Science Laboratory, Met Éireann etc.

Conversion/Complementary Courses

- *MSc Mathematics & Science Education (Teaching)
- Professional Masters in Education (Teaching)
- Graduate Veterinary Medicine
- Graduate Medicine
- Master of Business Administration
- Master of Business Studies
- Graduate Diploma and MSc in Actuarial Science
- MSc Computer Science (Conversion)

Continue to develop your professional career with UCD...

*This BSc degree progresses to the MSc in Mathematics and Science Education as outlined in the Conversion/Complementary Courses section.

"The No Preference DN200 Science option suited me perfectly as it allowed me to make the right decision about where my interests really lay between Chemistry and Biology after school. I've studied statistics, cell signalling, organic chemistry and French to name but a few modules. I finally chose to study Biochemistry last year as it combines elements of subjects I love, such as genetics, cell biology with lab skills and research possibilities. It's my plan to complete an internship this summer to gain experience and then go abroad to complete a masters or PhD following graduation. UCD is a place full of opportunities for all students and in my three years I've played on the lacrosse team, become a peer mentor and the treasurer of the Science Society."

Orla Sherwood Student

Blood cell preparation in the UCD Conway Institute

Biochemistry & Molecular Biology

BSc (Hons) (NFQ Level 8)

Why is this course for me?

In this degree you'll explore life at the molecular level. This will enable you to pursue a career in biomedical and biomolecular science. The combination of Biochemistry and Molecular Biology into one degree programme unites the molecular approach of Chemistry with the breadth and diversity of Biology. Both use varied and powerful experimental techniques to examine living organisms, their component parts and molecules that play a role in the function of the cell. Biochemistry and Molecular Biology occupy a central position in modern biological and biomedical research.

What will I study?

This is a sample pathway for a degree in Biochemistry & Molecular Biology. Topics include structural biology, molecular biology, metabolism and disease, cell signalling and communications, cell biology and biochemistry.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Biochemistry & Molecular Biology • + 2 other Science subjects • Elective modules

Third Year

Biochemistry & Molecular Biology • Elective modules

Fourth Year

Biochemistry & Molecular Biology (includes a research project in diverse areas such as protein engineering, neurochemistry, cancer studies, the regulation of gene expression, molecular immunology and endocrinology)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates in Biochemistry & Molecular Biology can find employment in:

- Pharmaceutical companies
- Biotechnology companies
- Forensic science laboratories
- Hospital and clinical laboratories

Graduates are eligible to apply for a range of MSc programmes in Ireland and abroad, in areas such as biotechnology, imaging and microscopy and molecular medicine. Graduates can also pursue a PhD in universities in Ireland and abroad in areas such as medical research, drug development and biomedical science.

International Study Opportunities

Students in their third year have spent time in:

- Ruprechts-Karls-Universität, Germany
- University of Edinburgh, UK
- University of California, San Diego, USA
- University of Chicago, USA

Students in their fourth year have spent time in the University of Copenhagen, Denmark.

CAO Code **DN200 BBB**

CAO Points Range 2015 **510—625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Cell & Molecular Biology →96
Neuroscience →100
Pharmacology →101
Physiology →102

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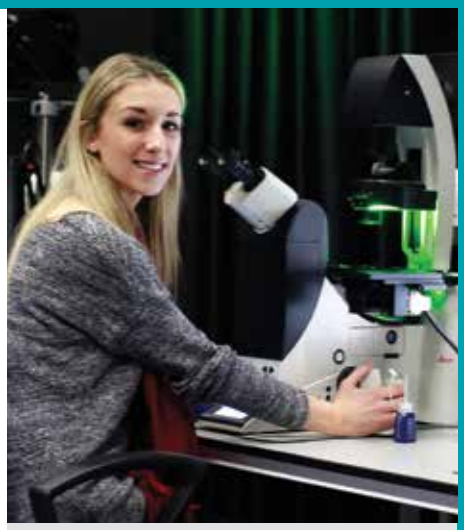
www.ucd.ie/**myucd/bioandmolbio**

Cell & Molecular Biology

BSc (Hons) (NFQ Level 8)



Niamh Morgan studying mammalian cells under a fluorescence wide field microscope

"This course is unique in terms of drawing on modules and content from zoology, plant biology, microbiology, biochemistry, molecular biology and genetics. The capstone of the degree is a five-month project where we carry out a research project to gain hands-on true-life experience of research. For me, the incredibly positive experience I gained during my research project encouraged me to continue in research as a PhD student at UCD. I hope to continue my career in research by moving into postdoctoral positions, ideally including at least one overseas. UCD really stood out from other universities because of its excellent international reputation and I was confident I would receive a top quality education and learn from excellent scientists and active researchers."

Niamh Morgan Graduate

CAO Code **DN200 BBB**

CAO Points Range 2015 510—625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Biochemistry & Molecular Biology	→95
Neuroscience	→100
Agricultural Science	→170
Medicine	→126

www.ucd.ie/**myucd/cellandmolecularbiology**

Why is this course for me?

Cell & Molecular Biology is the study of cells and the molecules that combine to form them. This includes their physiological properties such as their structure, their interaction with the extra-cellular environment and other cells, their life cycle, division and function, and eventual death. This is done both on a microscopic and molecular level.

Cell biology researches both single-celled organisms such as bacteria, and specialised cells in organisms, such as humans and plants. Microscopy and molecular approaches are used to understand how organisms develop, how they respond to their environment and how the diseased state differs from the healthy state. Knowledge of cell biology is vital to our understanding of disease and infection and in developing new methods to combat these.

What will I study?

This is a sample pathway for a degree in Cell & Molecular Biology. Topics include regulation of gene expression, molecular basis of disease, animal development, plant and animal genetics, and research methods in cell biology.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Cell & Molecular Biology • + 2 other Science subjects • Elective modules

Third Year

Cell & Molecular Biology • Elective modules

Fourth Year

Cell & Molecular Biology (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates in Cell & Molecular Biology can find employment in:

- Pharmaceutical and biotechnology industries
- Biomedical research
- Hospital and university laboratories
- Forensic science laboratories
- Genetic counselling

Graduates can pursue MSc programmes in Biotechnology, Biotechnology with Business, Biotherapeutics, or apply for PhD programmes in cell signalling, membrane biology or genetics, in Ireland and abroad.

International Study Opportunities

Students in this degree stream have the option of participating in a three month summer internship at the National Science and Technology Development Agency, Bangkok, Thailand. Students in the third year have spent time studying at the National University of Singapore.

Professor Jeremy Simpson
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Science Centre (West), Belfield, Dublin 4

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"I chose DN200 Science because I could try a whole range of science subjects before I had to make a final choice. I decided on Environmental Biology as my degree, as even now in my third year I have many options in what I study. For example, this year I have had modules that incorporate ecology, botany, microbiology and zoology. The course is largely practical based, with most modules containing lab sessions and field trips, one of which takes place in Spain and gives students a chance to carry out field work for their own project. After I graduate I would like to do some further study and hopefully work in conservation biology."

Niamh Quirke Student

Stage 3 student Niamh Quirke holding a chameleon on a field trip to Spain • Photo by Sorcha Delargy © UCD 2015

Environmental Biology

BSc (Hons) (NFQ Level 8)

Why is this course for me?

This degree focuses on the biological aspects of environmental science. It equips students with a strong background in ecology and its application to environmental assessment and management. Marine, terrestrial and freshwater ecosystems are studied through the disciplines of plant, animal and microbial ecology, evolutionary biology, conservation biology, global change biology, pollution biology, soil science and wildlife ecology. There's a strong emphasis on vocational skills and links with industry. Core modules include mock environmental impact assessment, field-based sampling in Ireland and Spain, and guest lectures from environmental managers and consultants.

What will I study?

The degree reflects the integrated multidisciplinary approach required in modern environmental research and ecosystem-based management. Topics include animal diversity and evolution, wildlife and fisheries, ecology and environmental microbiology, environmental impact assessment and biodiversity.
This is a sample pathway for a degree in Environmental Biology.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Environmental Biology • + 2 other Science subjects • Elective modules

Third Year

Environmental Biology • Elective modules

Fourth Year

Environmental Biology (includes an Environmental Biology research project which is self-selected to suit students' interests)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Environmental Biologists pursue a wide range of careers such as:

Fisheries managers • Environmental consultants • Habitat ecologists • Pollution biologists • Wildlife and conservation officers • National park supervisors • Technical and scientific officers • University researchers and professors

Graduate opportunities are also available for students to pursue MSc or PhD programmes. Taught MSc programmes at UCD include Applied Science (Environmental Science) and World Heritage Management.

International Study Opportunities

Students in third year have spent time at the following universities:

- University of Auckland, New Zealand
- University of California, Santa Barbara, USA
- University of Melbourne, Australia

CAO Code **DN200 BBB**

CAO Points Range 2015 **510—625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Agri-Environmental Sciences	→178
Zoology	→104
Plant Biology	→103
Cell & Molecular Biology	→96

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www.ucd.ie/**myucd/environmentalbiology**

Genetics

BSc (Hons) (NFQ Level 8)

Transgenic zebrafish larvae. Image: Dr Yolande Alvarez

"One of the things I love about the DN200 course is the huge amount of flexibility. Studying Science at UCD meant that I actually got to experience each subject I was interested in at a college level before having to make any definite decisions. I'm now in my third year studying Genetics. Genetics is a field at the forefront of modern biological research, looking at everything from the inheritance of traits, to the genetic basis of disease, to unravelling the evolutionary history of modern organisms. A BSc in Genetics opens a huge number of doors across not just the science sector but also a variety of business areas. When I graduate, I hope to continue on to a PhD in Genetics and eventually progress on to a career in research."

Karen Grimes Student

CAO Code **DN200 BBB**

CAO Points Range 2015 510—625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Pharmacology	→101
Biochemistry & Molecular Biology	→95
Cell & Molecular Biology	→96
Microbiology	→99

www.ucd.ie/**myucd/genetics**

Why is this course for me?

If you're interested in why some families are more prone to disease and how to use biotechnology to produce drugs and other products, then a degree in Genetics could be for you. Genetics is the scientific study of heredity – how information is passed from one generation to the next. You'll study developing new areas such as personal genomics, which uses DNA sequence to determine health and ancestry. The UCD Genetics degree also covers genetic engineering and biotechnology, transgenic animals, genetically modified plants, medical genetics, molecular evolution, developmental biology, DNA fingerprinting and bioinformatics.

What will I study?

This is a sample pathway for a degree in Genetics. Topics include evolution, genetic disease and biotechnology, as well as core modules in biomolecular and biomedical science.

First Year
Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year
Genetics • + 2 other Science subjects • Elective modules

Third Year
Genetics • Elective modules

Fourth Year
Genetics (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Most Genetics graduates work in:

- Hospital laboratories
- Biotechnology, pharmaceutical and genomics companies
- Forensic science laboratories
- Agribiotech and horticulture companies
- Food and drink companies

Many graduates study for a higher degree (MSc or PhD), or obtain additional professional qualifications such as in medicine and dentistry.
MSc programmes at UCD include the areas of Biotechnology, Biotechnology & Business and Biotherapeutics.

International Study Opportunities

Genetics students in third year have studied in:

- University of Amsterdam, the Netherlands
- University of California, Irvine, USA
- University of Connecticut, USA
- Queen's University, Canada

Genetics students also have the opportunity to carry out their fourth year project at the University of Copenhagen, Denmark.

Professor Geraldine Butler
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"I have always had a passion for Microbiology, fascinated by this invisible, ubiquitous community of organisms present throughout our world and beyond. However, in my Leaving Certificate year I wasn't ready to commit myself to a particular area of science quite yet. DN200 was the perfect choice for me. This gave me the opportunity to try out a variety of subjects including Neuroscience, Biochemistry and even Physics before deciding on my favourite - Microbiology. Becoming a member of the UCD Symphony Orchestra and the UCD Windsurfing Club has introduced me to a great group of friends from across the campus. I actually get to earn credits for my degree by playing in the orchestra, choosing it as an elective module. When I graduate, I hope to work in the food sector researching food microbiology."

Emma Cullen Student

Emma Cullen in a Microbiology practical in the new UCD O'Brien Centre for Science

Microbiology

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 BBB**

CAO Points Range 2015 510—625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

Microbiology is the study of microscopic organisms known as micro-organisms or microbes. Microbes play a key role in every facet of life on this planet. For example, microbes have a major impact on the Earth's climate by their metabolism of greenhouse gases like carbon dioxide and methane. Microbes can naturally produce polymers, antibiotics but also consume or breakdown a multitude of toxic chemicals. Microbiologists use tools like molecular biology, fermentation, enzymology, synthetic biology to improve the natural ability of microorganisms so that they can produce new antibiotics, natural products, biodegradable plastics and clean up chemically polluted soil and water. Microbes protect us from colonisation by disease-causing organisms. However, some microbes cause disease, e.g. MRSA, AIDS, tuberculosis and meningitis. Microbiological research aims to find treatments for these and other infectious diseases.

What will I study?

This is a sample pathway for a degree in Microbiology. Topics include biotechnology, microbes and the environment, medical microbiology and pharmaceutical microbiology.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Microbiology • + 2 other Science subjects • Elective modules

Third Year

Microbiology • Optional Science modules • Elective modules

Fourth Year

Microbiology (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Professional Work Experience

Students carry out a research project in fourth year that can take place in a pharmaceutical or food-related company or a hospital. Recent placements include Pfizer, Wyeth, Trinity Biotech and Our Lady's Children's Hospital, Crumlin.

Career & Graduate Study Opportunities

Microbiologists are employed in the healthcare, pharmaceutical and food-related industries, hospitals and veterinary hospitals and related laboratories. They also find work in government agencies such as the Environmental Protection Agency where they are involved in research and development, process design and control, management and quality control. Many students opt to continue their undergraduate degree with an MSc or PhD graduate programme. These microbiologists play a key role in developing new drugs, finding novel ways to combat infectious diseases and designing new approaches to clean the environment and develop a green economy.

International Study Opportunities

A limited number of fourth year projects are available in the Faculty of Pharmaceutical Sciences of the University of Copenhagen, Denmark.

Other courses of interest

Biochemistry & Molecular Biology →95

Genetics →98

Pharmacology →101

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Neuroscience

BSc (Hons) (NFQ Level 8)

Examining embryos at different stages of development

"Halfway through 6th year, we started studying the nervous system in Biology. Immediately, I knew I wanted to study the brain. I chose Science in UCD because the course allowed me to take modules in all areas of Biology. Currently, in second year, I am trying out Genetics and Biochemistry as well as Neuroscience. I enjoy Genetics just as much as Neuroscience so, in future, I will take Genetics modules with my core Neuroscience modules. This ability to tailor your degree is part of why I love studying Science at UCD. After my degree, I hope to do a PhD and research the genes involved in Alzheimer's disease."

Aoife Hardesty Student

CAO Code **DN200 BBB**

CAO Points Range 2015 510—625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Pharmacology →101

Physiology →102

www.ucd.ie/**myucd/neuroscience**

Why is this course for me?

Neuroscience is the study of the nervous system, directed towards understanding how cells within the nervous system interact with each other to form the brain and regulate body functions, human behaviour, memory, emotions and consciousness. The malfunction of the nervous system lies at the heart of a number of devastating and currently incurable conditions such as Alzheimer's and Parkinson's disease. Neuroscience research probes the mechanisms underlying such malfunctions with a view to helping in the discovery of drugs to prevent or manage these disorders.

What will I study?

This is a sample pathway for a degree in Neuroscience. Topics include membrane biology, developmental neuroscience, higher cortical function, synaptic plasticity, sensory neuroscience, as well as core modules in biomolecular and biomedical science.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Neuroscience • + 2 other Science subjects • Elective modules

Third Year

Neuroscience • Elective modules

Fourth Year

Neuroscience (includes a research project in topics such as neurodegenerative diseases, cognition and synaptic plasticity)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Professional Work Experience

A limited number of opportunities exist in second and third year to gain additional laboratory experience during the summer. Funded schemes are organised by public and private bodies, e.g. the Irish Health Research Board and The Wellcome Trust (UK). In addition, occasional opportunities arise within individual research groups.

Career & Graduate Study Opportunities

As a Neuroscience graduate you'll have the opportunity to obtain employment in:

- Biotechnology and pharmaceutical companies
- Medical research including drug development and clinical trials
- Hospital and university laboratories
- Neuroscience research institutes
- Government agencies

Neuroscience graduates also pursue graduate studies at MSc or PhD level. PhD programmes in Ireland and abroad cover areas as diverse as biotechnology, cell biology, and biomedical and health science. Many graduates also pursue graduate medicine and graduate pharmacy courses.

International Study Opportunities

A limited number of fourth year projects are available in the Faculty of Pharmaceutical Sciences of the University of Copenhagen, Denmark, and in the Institute of Biochemistry and Pathobiochemistry, Ruhr University Bochum.

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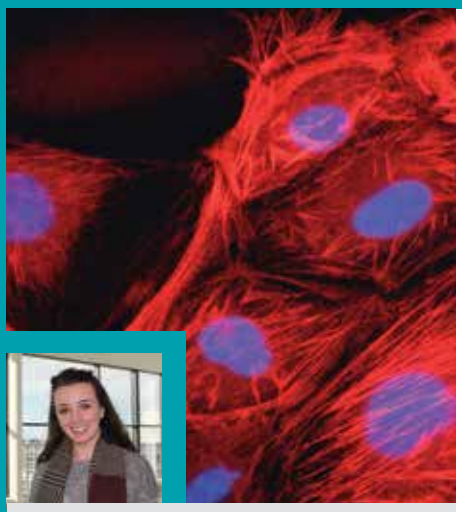
"I chose to study Pharmacology as it gives great insight into the treatments of many different diseases. Having studied Biology and Physics for my Leaving Certificate I felt I was well set up for starting a degree in science. Introductory modules provided in the first semester allow everyone the chance to 'catch up' on their missing science, which in my case was Chemistry. I chose to study in UCD because of the great science facilities as well as the common entry system. This gave me time to decide which science subject I would like to specialise in by giving me the opportunity to try them out first. I completed a summer placement after second year in Waters Corporation which gave me a great opportunity to practice and expand my lab technique as well as gaining industry experience. "

Sinead Rowe Student



The process of cell changes called EMT that occur when kidney epithelial cells are treated with drugs.
Image by Tara McMorrow and Eric Campbell

Pharmacology

BSc (Hons) (NFQ Level 8)

Why is this course for me?

Pharmacology is the scientific study of drugs and their action on biological systems, ranging from genes and cells up to tissues and even human populations. A drug is any substance given to a human or animal with the intention of changing the state of body function: to relieve pain, treat cancer, eliminate infection or improve health. Pharmacology is also concerned with the use of drugs as investigative tools to obtain a better understanding of cellular and physiological processes in both health and disease. In the UCD Pharmacology course, students will have the opportunity to take part in drug development research.

What will I study?

This is a sample pathway for a degree in Pharmacology. Topics include drug kinetics in the body, drug action on body systems, treatment of disease, biomedical sciences, biopharmaceuticals and new drug development.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Pharmacology • + 2 other Science subjects • Elective modules

Third Year

Pharmacology • Elective modules

Fourth Year

Pharmacology (includes a research project in topics such as cancer treatment, cardiovascular disease, neuropharmacology and drug discovery)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Professional Work Experience

A limited number of opportunities exist in second and third year to gain additional laboratory experience during the summer. Funded schemes are organised by public and private bodies, e.g. the Irish Health Research Board and The Wellcome Trust (UK). In addition, occasional opportunities arise within individual research groups.

Career & Graduate Study Opportunities

Career opportunities for Pharmacology graduates include working in:

- Pharmaceutical companies
- Drug regulatory bodies, such as the Irish Medicines Board
- Biotechnology sector
- Chemical safety and toxicology

Pharmacology graduates can also pursue graduate studies at MSc or PhD level. PhD programmes in Ireland and abroad cover areas such as drug development and biomedical science.

International Study Opportunities

International study opportunities in third and fourth years to date have included:

- University of Melbourne, Australia
- University of Washington, Seattle
- University of Copenhagen, Denmark

CAO Code **DN200 BBB**

CAO Points Range 2015 **510—625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Neuroscience →100
Physiology →102

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www.ucd.ie/**myucd/pharmacology**

Physiology

BSc (Hons) (NFQ Level 8)

Physiology students working on experiment in the Conway Institute

"I studied Chemistry and Biology in school and it was always a toss up to decide which was my favourite. That's why I selected the No Preference option. I could study both Chemistry and Biology in my first year before I made any decisions. In Second Year, I chose some Physiology modules along with modules from four other subjects and enjoyed them immensely so I decided to specialise in Physiology. Physiology offers a good foundation to allow me to go into research in a variety of subjects once I graduate. Science in UCD isn't all spent in the labs. I'm an active member of UCD Science Society and took part in their annual charity cycle to Galway helping to raise money for Crumlin Children's Hospital."

Eimear Mylod Student

CAO Code **DN200 BBB**

CAO Points Range 2015 510—625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Pharmacology →101

Biomedical, Health & Life Sciences →129

Why is this course for me?

Physiology is an area of biology related to how the human body works. Physiologists are interested in how the cells and organs of the body operate and how their incredible array of processes co-operate to enable our bodies to function under normal and challenging circumstances. Physiologists are therefore at the forefront of medical research and the search for a better understanding of disease processes.

At UCD, Physiology students acquire a thorough understanding of the organs of the body such as the heart, lungs, kidneys and how they function, interact and respond to the internal and external environment.

What will I study?

This is a sample pathway for a degree in Physiology. Topics include neurophysiology, metabolic biochemistry, membrane biology, respiratory physiology and cardiovascular physiology.

First Year

Biology • Chemistry • Physics • Mathematics • Optional Science modules • Elective modules

Second Year

Physiology • + 2 other Science subjects • Elective modules

Third Year

Physiology • Elective modules

Fourth Year

Physiology (includes a research project in a laboratory setting)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Physiology graduates go on to establish careers in the following areas:

- Biomedical research in the university system or other government-run operations
- Pharmaceutical industry-based research and development
- Clinical trials
- Pharmaceutical industry sales

Physiology graduates regularly gain places on graduate-entry Medicine and other allied healthcare degree courses. UCD provides opportunities for graduate physiological research at the master's or PhD level. Research into basic physiological mechanisms takes place but the research focus is on translational research, i.e. the research that enhances our understanding of human disease that leads to advances in the improvement of human health.

International Study Opportunities

Physiology students have spent time studying at the following universities:

- San Jose State University, USA
- University of Queensland, Australia

www.ucd.ie/**myucd/physiology**

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"I always planned on studying Science but wasn't sure which area. This made Science in UCD the ideal choice. For the first two years, I tried modules from all the disciplines in Science which left me more informed to pick the subject I would major in. Plant Biotechnology and Plant Pathology particularly interested me, so I chose Plant Biology. I'm in third year and I'm really enjoying it. Our classes are specific to Plant Biology, the class sizes are smaller and we have lots of contact with lecturers and tutors. UCD's vast range of clubs and excellent facilities was another major attraction for me as I'm a big fan of GAA and love playing camogie. I've been involved with the club every year and have had the best times playing here."

Emma Doyle Student

An experiment on maize in the Programme for Experimental Atmospheres and Climate lab at UCD • Photo: Peter Lang

Plant Biology

BSc (Hons) (NFQ Level 8)

Why is this course for me?

Plant Biology is the scientific study of plants, fungi and algae. Plants are vital for supporting and maintaining the atmospheric and environmental conditions required for all life on Earth. They are the mainstay of human and animal diets, while also providing pharmaceuticals, timber, paper and clothing.

Plants are being exploited as sources of renewable energy and biofuels, and make an important contribution to measures aimed at reducing the effects of climate change. A key to the further development of plants for practical or economic use is an improved understanding of metabolic and developmental processes and their interactions with environmental factors.

What will I study?

This is a sample pathway for a degree in Plant Biology. Topics include plant biotechnology, applied plant biology, marine botany, genetics and systems ecology.

First Year
Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year
Plant Biology • + 2 other Science subjects • Elective modules

Third Year
Plant Biology • Elective modules

Fourth Year
Plant Biology (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Plant Biology graduates have obtained positions as:

- Plant and environmental scientists
- Pollution biologists
- Molecular geneticists and cell biologists
- Agronomists, horticulturalists, foresters or park rangers
- Environmental consultants
- Wildlife, conservation, biodiversity or heritage officers

Graduates are also eligible to pursue MSc programmes in UCD in World Heritage Management and Plant Biology and Biotechnology, in addition to PhD programmes both in Ireland and abroad.

"I am an environmental consultant dealing with spatial planning and environmental policy research. My Plant Biology training has been invaluable, providing me with a solid understanding of a range of environmental issues."

Eoghan Daly, Environmental Consultant

CAO Code **DN200 BBB**

CAO Points Range 2015 **510 — 625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements
English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Zoology →104
Microbiology →99
Cell & Molecular Biology →96

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www.ucd.ie/**myucd/plantbiology**

Zoology

BSc (Hons) (NFQ Level 8)

Students in the UCD School of Biology and Environmental Science on a field trip • Photo: Dr Jon Yearsley © UCD 2009

"I'm not quite sure what I expected from my zoology degree when I first started but it has turned out to be more that I could have hoped for! After studying Biology as my only science subject in secondary school I was sure I wanted to follow the biology path. It wasn't difficult to choose what area to pursue once I got to university; I always knew I wanted to learn about animals, but it was only after seeing the opportunity to study zoology in UCD that I decided it was the perfect degree for me. As a result, I'll be spending this summer in Madagascar doing field work for my Fourth year dissertation project on chameleons. After I graduate, I hope to find myself working in a natural history museum or doing research."

Lorna Cudmore Student

CAO Code **DN200 BBB**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Agri-Environmental Sciences →178
Animal Science →173
Environmental Biology →97
Genetics →98

www.ucd.ie/**myucd/zoology**

Why is this course for me?

Zoology is often thought of in terms of treks into the wild to study rare and endangered species. However, this is only one facet of this fascinating subject. Modern zoology deals with all aspects of animals from genetics and cell biology to ecology and animal behaviour. The Zoology degree at UCD provides modules in a wide range of disciplines, including marine, terrestrial and freshwater biology, evolutionary biology, animal behaviour, palaeontology, ecology, pest control, population genetics, developmental biology, and animal physiology and cell biology.

What will I study?

This is a sample pathway for a degree in Zoology. Topics include animal behaviour, animal development, systems ecology and cell biology.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Zoology • + 2 other Science subjects • Elective modules

Third Year

Zoology • Elective modules

Fourth Year

Zoology (includes a research project where students work alongside researchers in areas as diverse as animal genetics, evolution, freshwater biology or conservation and biodiversity)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Because of the nature and breadth of the subject, Zoology graduates are employed in most of the industries and state organisations that employ biologists. These include the National Parks and Wildlife Services, National Museum, Marine Institute, semi-state bodies such as the Environmental Protection Agency, ESB, BIM and the Inland Fisheries Ireland, conservation bodies, aquaculture, universities, secondary schools, environmental consultancies and several areas of biotechnology.

Graduate opportunities are also available for students to pursue MSc or PhD programmes. Taught MSc programmes at UCD include Applied Science (Environmental Science) and World Heritage Management.

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"Since secondary school, I was always interested in becoming a Maths and Biology teacher. I decided to study Science in UCD because the DN200 course allows you to keep your options open until the end of second year. You therefore don't have to decide your career path straight after the Leaving Cert. Having taken the Maths and Biology Education modules in First and Second year I have made my decision to become a teacher. The education modules are interactive and enjoyable and I am looking forward to pursuing this education pathway to MSc level."

Deirdre Creegan Student

Students attending an Education module class

Biology & Mathematics Education

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

Why is this course for me?

If you're interested in biology and mathematics, and think you might like to teach these subjects at post-primary level, then this course may be for you. It's designed so that from the start you study biology and mathematics, along with education, in an integrated manner. In third year, you'll gain teaching experience by completing placements (which we find for you) in a post-primary school and as a third-level tutor.

The four-year BSc in Biology, Mathematics and Education leads directly to the one-year MSc in Mathematics and Science Education. On completion of both degrees you are fully qualified to teach post-primary Biology and Mathematics to Higher Level Leaving Certificate Level and Science to Junior Certificate Level.

What will I study?

This is a sample pathway for Biology & Mathematics Education.

First Year
Biology • Mathematics • Education • Chemistry & Physics • Elective modules

Second Year
Biology • Mathematics • Education • Elective modules

Third Year
Biology • Mathematics • Education • School placement – one placement in a post-primary school, and one placement as a third-level tutor

Fourth Year
Education • School placement • Biology & Mathematics

Fifth Year
Education • School placement

Career & Graduate Study Opportunities

On completion of the BSc, students have guaranteed entry to the MSc in Mathematics & Science Education, provided they have achieved a GPA of 3.08. This is equivalent to a 2.1 Honours.

Placements are integrated into this course from first year. In particular, during the last two years of the course, students are assigned year-long placements at two different post-primary schools. These placements are designed so that students not only obtain teaching experience, but also gain a whole-of-school experience through participating in parent-teacher meetings, timetabling, etc. The complete five-year course is fully accredited by the Teaching Council of Ireland.

KEY FACTS

The five-year course is fully accredited by the Teaching Council of Ireland.

Placements are integrated into this course from first year with year-long placements at two different post-primary schools during the final two years of the course.

CAO Code **DN200 BBB**

CAO Points Range 2015 **510 — 625**

Length of Course **5 Years (BSc 4 Years + MSc 1 Year)**

DN200 Places **402**

Entry Requirements
English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
We recommend that all students in Biology & Mathematics Education should have a minimum Grade H4 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Applied Mathematics & Mathematics Education	→120
Chemistry & Mathematics Education	→110
Physics & Mathematics Education	→121

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www.ucd.ie/**myucd/biomathed**

Chemistry

BSc (Hons) (NFQ Level 8)

Preparing an experiment in Chemistry

"Biology was the only Science subject I had studied for the Leaving Cert but I entered into the MPG stream with the hopes of studying Maths and doing some field classes in Geology. I took other modules in Chemistry and Biology to keep my options open. However, as soon as I had my first Chemistry lecture I knew it was for me. The lecturers were excellent, funny and passionate. By my second year I was hooked. I've had a great opportunity to be a part of several clubs and societies. This past year (2015/16) I was Captain of the UCD Mountaineering Club. We organised several trips around Ireland and the UK as well as hosting the Irish Climbing Intervarsities. I've also had the fantastic opportunity to be a peer mentor and a student ambassador."

Andrew Keating Student

CAO Code **DN200 CCS**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Medicinal Chemistry & Chemical Biology →109

Chemistry with Environmental & Sustainable Chemistry →108

Chemistry with Biophysical Chemistry →107

Why is this course for me?

All materials and living things consist of atoms and molecules that are linked together in many different ways. Chemistry is a study of these, how they form and react. Life, metabolism, pharmaceuticals, forensic analysis and the development of new energy supplies, computer chips and medical devices: none of these can be fully developed or understood without chemistry.

What will I study?

This is a sample pathway for a degree in Chemistry. Topics include physical, inorganic and organic chemistry, chemistry of materials, instrumental analysis and spectroscopy.

First Year

Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Chemistry • +1 Science subject • Elective modules

Third Year

Chemistry • Elective modules

Fourth Year

Chemistry (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

The pharmaceutical industry is one of the largest in Ireland, and UCD Chemistry graduates work in the following:

- Analytical roles in laboratories on the synthesis, testing and analysis of active pharmaceutical ingredients, medicines and medical devices
- Research chemist roles in laboratories in research and development
- Management and supervisory roles in regulatory affairs, production and validation

The semiconductor and medical device and energy industries also hire a significant number of materials chemists, and graduates would be involved in:

- Semiconductor processing
- Effluent and raw materials monitoring
- Air and water quality measurements

Chemistry graduates also pursue PhDs in Ireland or abroad in areas as diverse as biological aspects of nanoscience, novel material synthesis, energy generation and polymer chemistry.

International Study Opportunities

Students have spent time studying at the following universities:

- University of Lund, Sweden
- University of Virginia, USA
- McGill University, Canada

www.ucd.ie/**myucd/chemistry**

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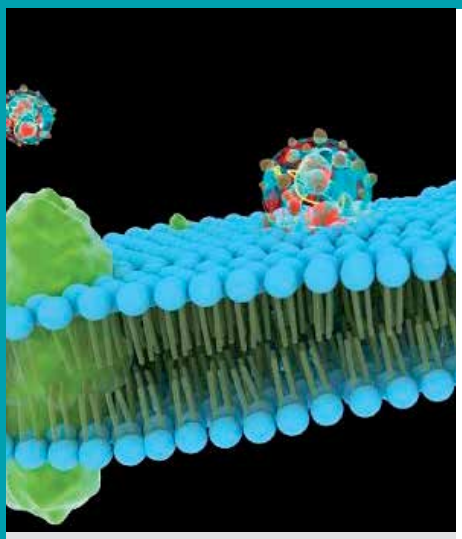
"I had studied Chemistry and Biology in school so when I first started college, I knew that I liked science but wasn't sure what I'd like to major in. I loved Chemistry and ended up choosing Chemistry with Biophysical Chemistry as it was a new degree that I felt might give me some additional skills. In the summer after third year, I did a summer internship in Dr Vitaly Buckin's lab in UCD which I found really interesting as well as very helpful in preparing me for the final year research project. This, as well as my thesis research in my final year, led me to realise that I'd like to pursue further research in a PhD."

Rian Lynch Graduate



A nanoparticle with encapsulated active ingredient is penetrating a cell membrane. © Nanobotmodels Company

Chemistry with Biophysical Chemistry

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 CCS**

CAO Points Range 2015 **510 — 625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

Biophysical Chemistry combines the study of chemistry with the molecular principles of the functioning of life and their applications in modern technologies, from the design of a new generation of smart medicines to green manufacturing. The best chemical technologies of our world are utilised in biological systems, where thousands of chemical transformations take place in a well-controlled, environmentally friendly manner.

These transformations occur in biological cells, which represent sophisticated chemical manufacturing plants filled with a broad range of nano devices. Students graduating with this degree will acquire knowledge of advanced chemistry, and of molecular principles of organisation and functioning of living matter. They will also acquire skills in the applications of these principles in biomedical, biotechnological, pharmaceutical, food and other related industries.

What will I study?

This is a sample pathway for a degree in Chemistry with Biophysical Chemistry. Topics include: physical, organic and inorganic chemistry; molecular architecture of living matter; self-assembly and functioning of biomolecules; molecular principles of storing and utilisation of genetic information; bio-catalysis and enzymes; modern technologies of supramolecular design; and modern analytical techniques.

First Year

Chemistry • Mathematics • Biology • Elective modules

Second Year

Chemistry with Biophysical Chemistry • + 1 other subject • Elective modules

Third Year

Biophysical Chemistry • Chemistry • Chemical Biology & Medicinal Chemistry • Electives (includes Erasmus opportunities)

Fourth Year

Biophysical Chemistry (Research project) • Biophysical Chemistry • Chemistry • Nanotechnology

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

The interdisciplinary aspect of this degree and the acquired combination of theoretical and practical skills provide broad opportunities for employment in the area of advanced chemical and biomolecular technologies, including:

- Complex biomolecular formulations
- Bio-nanotechnology
- Forensic science
- Bioprocessing
- Bioengineering

Biophysical Chemistry graduates will be able to find employment in biotechnological, chemical, pharmaceutical, biomedical, food, personal care and other industries, as well as academic research worldwide. Graduates can also pursue a range of MSc or PhD opportunities in Ireland or abroad.

Other courses of interest

Chemistry →106

Chemistry with Environmental & Sustainable Chemistry →108

Medicinal Chemistry & Chemical Biology →109

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www.ucd.ie/**myucd/biophysicalchemistry**

Chemistry with Environmental & Sustainable Chemistry

BSc (Hons) (NFQ Level 8)

PhD students Linda Sherry and Elaine Neville studying materials which promote the synthesis of sustainable fuels

"Using precious non-renewable resources to power our current lifestyle is a situation that, in the medium term, will become too expensive to continue. In parallel with this, environmental legislation is forcing industry to purify effluents before release, or to alter their production methods avoiding pollutant and waste product formation. Finding acceptable solutions to these problems is motivating, inspiring and exceptionally relevant. Currently my research spans Environmental Chemistry, where we study catalysts to remove pollutants from car exhausts, Green Chemistry, where we improve processes used in polymer production, and Chemistry in Sustainable Energy generation, which focuses on materials for solar hydrogen production and storage and synthesis of biofuel."

Dr James Sullivan Senior Lecturer

CAO Code **DN200 CCS**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Chemistry →106

Medicinal Chemistry & Chemical Biology →109

Chemistry with Biophysical Chemistry →107

Why is this course for me?

Two major problems are facing industrialised society. How do we maintain our standards of living without, firstly, using non-renewable resources as sources of energy and as raw materials for manufacturing industries and, secondly, compromising our local and global environment? Chemistry with Environmental & Sustainable Chemistry will be central to solving these problems. This discipline, which draws from all branches of chemistry, will enable us to produce the materials and energy we use through ways that minimise the impact on the environment. Furthermore, it will be crucial in developing a variety of resources (solar power, biofuel synthesis, fuel cells, etc.) for use in renewable energy generation. The degree is suitable for students who have an interest in the use of chemistry in tackling these urgent problems.

What will I study?

This is a sample pathway for a degree in Chemistry with Environmental & Sustainable Chemistry.

First Year

Chemistry • Mathematics • Biology • Optional Science modules • Elective modules

Second Year

Chemistry, Environmental Chemistry (with modules of Geology and Biology discussing climate change) • + 1 other Science subject • Elective modules

Third Year

Physical, Inorganic & Organic Chemistry with optional modules in Geology and Ecology

Fourth Year

Environmental & Sustainable Chemistry (includes a research project in an aspect of Environmental & Sustainable Chemistry) • Options will include Green Technologies/ Chemistry in Energy Generation

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Apart from the disciplines that are available to graduates with a BSc in Chemistry, graduates in Chemistry with Environmental & Sustainable Chemistry will be particularly suited to employment in the environmental and emerging energy industries, including: Commercial environmental analysis • Alternative energy industry • Environmental Protection Agency • ESB • Bord Gáis

Graduates can also pursue a range of MSc or PhD opportunities in Ireland or abroad.

International Study Opportunities

Students may apply to spend time studying at the following universities:

- University of Lund, Sweden
- University of Virginia, USA
- McGill University, Canada

www.ucd.ie/**myucd/environmentalandsustainablechemistry**

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"I always had an interest in Science and the fact that you get to make drugs in a laboratory is also something which I found fascinating. Chemistry was the only science subject which I studied before entering University. I chose Medicinal Chemistry & Chemical Biology because I wanted to learn about drug discovery, the different synthetic methods you can use and the reactions and effects the drug has. Being a student at UCD is really enjoyable. I am on the committee for An Cumann Gaelach as well as UCD Volunteers Overseas. I was also lucky to get the opportunity to travel to Tanzania in July with UCD Volunteer Overseas. I will be teaching computers having been to Haiti last year doing construction work and teaching children."

Jamie Flannery Student

UV determination of enzyme kinetics is a key step in the design of industrially relevant biocatalysts.

Medicinal Chemistry & Chemical Biology

BSc (Hons) (NFQ Level 8)

Why is this course for me?

This degree is ideal for students who have an interest in chemistry and its applications in biology. Medicinal Chemistry & Chemical Biology are fields populated by chemists who have a good understanding of biology at the molecular level. They'll be of increasing importance for decades to come to address existing and emerging healthcare problems, e.g. cancer, AIDS, TB and avian flu. Chemical biologists and medicinal chemists will develop the next generation of medicines to solve such problems, and will have an impact across a wide range of areas, including the development of environmentally friendly approaches to process chemistry.

What will I study?

This is a sample pathway for a degree in Medicinal Chemistry & Chemical Biology. Topics include metabolic biochemistry, reactivity of biomolecules, principles of pharmacology, chemical biology of natural products and macromolecules.

First Year
Chemistry • Mathematics • Biology • Optional Science modules • Elective modules

Second Year
Medicinal Chemistry & Chemical Biology • + 1 other Science subject • Elective modules

Third Year
Medicinal Chemistry & Chemical Biology • Elective modules

Fourth Year
Medicinal Chemistry & Chemical Biology (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates of the Medicinal Chemistry & Chemical Biology degree will be equipped with the skills to pursue a career in:

- Pharmaceuticals and biopharmaceuticals
- Food technology companies
- Cosmetic technology companies
- Fine chemical and chemical development
- Patenting

Graduates can also pursue a PhD in Ireland or abroad in areas such as chemistry, chemical biology or medicinal chemistry.

CAO Code **DN200 CCS**

CAO Points Range 2015 **510 — 625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements
English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Chemistry →106
Biochemistry & Molecular Biology →95
Chemistry with Environmental & Sustainable Chemistry →108

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www.ucd.ie/**myucd/medicinalchemistryandchemicalbiology**

Chemistry & Mathematics Education

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

Group work in an active learning environment classroom

"I was always fascinated by the wonders in Science and the challenges in Maths. However, what I think I enjoyed most about these subjects was being able to help others get their heads around difficult concepts in both Maths and Science. With this in mind, UCD Science DN200 was the course for me. Top-notch staff and facilities allowed me to discover that teaching is the path I want to pursue. It's great to be a part of the new generation of teachers which will lead the way in Maths and Science for years to come."

Conor Moran Student

CAO Code **DN200 CCS**

CAO Points Range 2015 510 — 625

Length of Course 5 Years (BSc 4 Years + MSc 1 Year)

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
We recommend that all students in Chemistry & Mathematics Education should have a minimum Grade H4 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Applied Mathematics & Mathematics Education	→120
Biology & Mathematics Education	→105
Physics & Mathematics Education	→121

www.ucd.ie/**myucd/chemmathed**

Why is this course for me?

If you're interested in chemistry and mathematics, and think you might like to teach these subjects at post-primary level, then this course may be for you. It's designed so that from the start you study chemistry and mathematics, along with education, in an integrated manner. In third year, you'll gain teaching experience by completing placements (which we find for you) in a post-primary school and as a third-level tutor.

The four-year BSc in Chemistry, Mathematics and Education leads directly to the one-year MSc in Mathematics and Science Education. On completion of both degrees you are fully qualified to teach Chemistry and Mathematics to Higher Level Leaving Certificate Level and Science to Junior Certificate Level.

What will I study?

This is a sample pathway for Chemistry & Mathematics Education.

First Year
Chemistry • Mathematics • Education • Biology & Physics • Elective modules

Second Year
Chemistry • Mathematics • Education • Elective modules

Third Year
Chemistry • Mathematics • Education • School placement – one placement in a post-primary school, and one placement as a third-level tutor

Fourth Year
Education • School placement • Chemistry & Mathematics

Fifth Year
Education • School placement

Career & Graduate Study Opportunities

On completion of the BSc, students have guaranteed entry to the MSc in Mathematics & Science Education, provided they have achieved a GPA of 3.08. This is equivalent to a 2.1 Honours.

Placements are integrated into this course from first year. In particular, during the last two years of the course, students are assigned year-long placements at two different post-primary schools. These placements are designed so that students not only obtain teaching experience, but also gain a whole-of-school experience through participating in parent-teacher meetings, timetabling etc. The complete five-year course is fully accredited by the Teaching Council of Ireland.

KEY FACTS

The five-year course is fully accredited by the Teaching Council of Ireland.

Placements are integrated into this course from first year with year-long placements at two different post-primary schools during the final two years of the course.

Dr Maria Meehan
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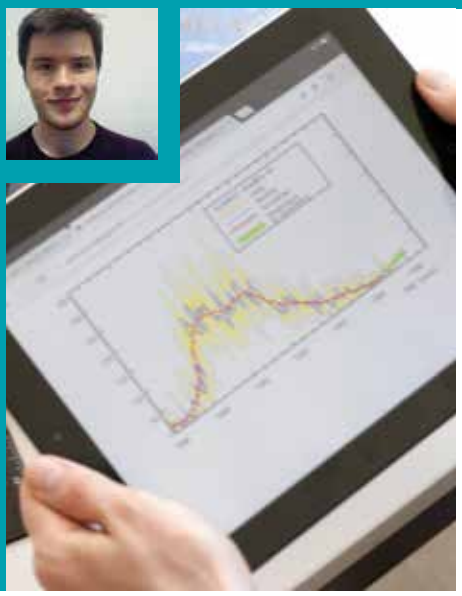
"I spent my first two years taking modules in pure Maths, Applied Maths, Statistics, Geology and Physics to try to find my niche. Eventually I decided to go with Applied and Computational Mathematics. For me it is the perfect balance between physical problems, maths problems and programming. Not only in this course do you get to learn about a lot of advanced areas of mathematics, but you also learn how to apply these methods to real-life physical systems."

Shane Walsh Student



Applied & Computational Mathematics

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

We recommend that all students in Applied & Computational Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Why is this course for me?

If you enjoy studying Mathematics for the Leaving Certificate, the UCD degree in Applied & Computational Mathematics will train you in the essential mathematical and computational skills in modelling, analysis and simulation needed to solve problems arising throughout the physical and life sciences, engineering, business and finance.

Today's challenges faced by science and engineering are so complex that they can be analysed and solved only through mathematical and computational modelling. Mathematical models create representations of complex real-world phenomena in a precise, quantitative way. Fundamental insights can then be obtained by analysing these models through a combination of mathematical analysis and computational simulation. Outside the traditional spheres of science and engineering, mathematical modelling and simulation techniques are increasingly used in the social sciences, communication, business and finance.

What will I study?

This is a sample pathway for a degree in Applied & Computational Mathematics. Sample topics include dynamical systems and chaos, financial mathematics, oceanography, mathematical biology, fluid dynamics, relativity and quantum mechanics.

First Year

Applied & Computational Mathematics • Mathematics • Optional Science modules • Elective modules

Second Year

Applied & Computational Mathematics (includes Mathematics/Statistics modules) • + 1 other Science subject • Elective modules

Third Year

Applied & Computational Mathematics • Elective modules

Fourth Year

Applied & Computational Mathematics

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates with training in Applied & Computational Mathematics work in fields as diverse as:

- Physics: nanoscience, quantum optical processes in semiconductors and robotics
- Biology: biomedical applications, medical instrumentation and bio-information technology
- Finance
- Pharmaceutical industry
- Environmental agencies and companies
- Computing in business, technology, research and academia

International Study Opportunities

Students may apply to study abroad for a semester or year in third year in a range of worldwide universities. Potential universities include:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

Other courses of interest

Computer Science →123

Theoretical Physics →118

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www.ucd.ie/**myucd/appliedandcomputationalmathematics**

"Security of financial transactions is extremely important in today's society. My research interests include the area of Elliptic Curve Cryptography, which uses the mathematical theory of elliptic curves in real-world applications of cryptography. I am the Director of the Claude Shannon Institute, where we have a team doing cutting-edge research in cryptography and coding theory. My research team recently set a world record cryptographic break, which demonstrated possible vulnerabilities in encryption technology used in areas such as financial transactions. This degree in Financial Mathematics is taught by mathematicians and statisticians with a broad range of expertise, such as Bayesian statistics and stochastic analysis, topics which are used constantly in the financial sector."

Professor Gary McGuire
Head of UCD School of Mathematics & Statistics

Financial Mathematics

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
We recommend that all students in Financial Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Actuarial and Financial Studies → 122
Computer Science → 123
Theoretical Physics → 118

www.ucd.ie/**myucd/financialmathematics**

Why is this course for me?

If you have a strong interest in Mathematics, enjoy problem solving and are interested in how Mathematics is used in business and finance, this degree in Financial Mathematics will give you an understanding of the mathematical theories that underpin financial models, as well as computational expertise in the algorithms that price financial products. One example of a financial model included in the course is the Black-Scholes option pricing model, dating from 1973, which is one of the earliest equations developed and used to price options. Implementations of these models, including computer programming, form a key part of the course.

What will I study?

This is a sample pathway for a degree in Financial Mathematics. Sample topics include probability theory, statistical modelling, computational science, fundamentals of actuarial and financial mathematics, advanced corporate finance, stochastic analysis and actuarial statistics.

First Year
Statistics • Applied & Computational Mathematics • Mathematics • Optional Science modules • Elective modules

Second Year
Applied & Computational Mathematics • Mathematics • Statistics • Finance • 1 other Science subject • Elective modules

Third Year
Financial Mathematics • Elective modules

Fourth Year
Financial Mathematics (modules include computational finance, stochastic models, Bayesian analysis, and advanced corporate finance)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates with training in Financial Mathematics work in fields as diverse as:

- Quantitative positions in the financial sector
- Risk modelling in banking and insurance
- Computing in business, technology, research and academia

Graduates can also pursue a range of MSc or PhD programmes such as the MSc in Actuarial Science, MSc in Quantitative Finance, or an MSc in Statistics.

International Study Opportunities

Students may apply to study abroad for a semester or year in third year in a range of worldwide universities. Potential universities include:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

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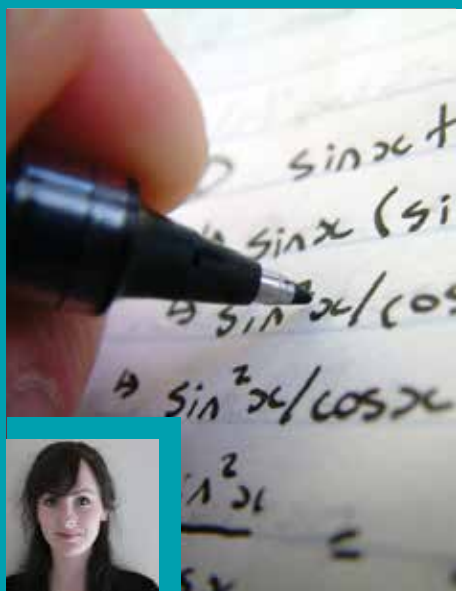
"In secondary school I loved maths, however University-level maths has a reputation for being unthinkably difficult, and I was afraid that I wouldn't be able for it. However, I've found that, although hard work is essential, University Maths certainly is doable. Moreover, it's engaging. There's a great deal more to maths than you ever see in secondary school! The more maths you study, the more interesting it becomes, and some of the courses are really fascinating. Maths requires a lot of critical thinking and rigorous understanding, and the lecturers in UCD encourage this. They are very good at transmitting their enthusiasm to the students. What's really great is that the maths lecturers are approachable, and keen to answer any questions you may have."

Caitríona Byrne Student



Mathematics

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

We recommend that all students in Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Why is this course for me?

Mathematics is a basic tool in all scientific subjects, economics, engineering, geography, computer science, banking, business, statistics, social science and in many other fields. In the past 100 years the growth of mathematics has been spectacular, stimulated not only by the needs of science, technology and commerce, but also by the intellectual challenges provided by the discipline itself. The subject possesses a very large collection of problems – many still unresolved – that require highly challenging investigation and great ingenuity.

What will I study?

This is a sample pathway for a degree in Mathematics. Topics include linear algebra and geometry, differential and integral calculus, graphs and networks, theory of games, field theory, metric spaces, differential geometry and functional analysis.

First Year

Mathematics • Statistics • Applied and Computational Mathematics • Optional Science modules • Elective modules

Second Year

Mathematics • + 1 other Science subject • Elective modules

Third Year

Mathematics • Elective modules

Fourth Year

Mathematics

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Each year sees new applications of sophisticated mathematical models and procedures, using computers, in insurance and actuarial services, the stock market, banking and industry. Employers in all of these areas seek mathematics graduates. Our recent graduates have found work in diverse areas including:

- Actuarial science
- Banking and financial services
- Civil service executive and administrative grades
- Coding and cryptography companies
- IT industry
- Meteorology

Graduate opportunities for Mathematics graduates include MSc programmes in Mathematics and Mathematical Sciences, as well as PhDs, in Ireland and abroad, leading to research in universities, research institutes or the industrial world.

International Study Opportunities

Students can apply to study for a semester or year in third year in one of approximately 20 universities worldwide including:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

Other courses of interest

Actuarial and Financial Studies → 122
Computer Science → 123
Theoretical Physics → 118

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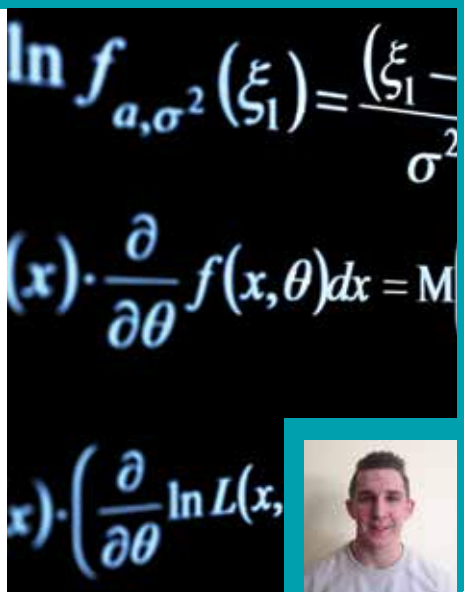
Mathematical Science

BSc (Hons) (NFQ Level 8)



"I knew I wanted to study a mathematically based degree in university so I kept my options open and started a BSc Science degree in UCD. The flexibility of this programme was a big attraction, with the range of modules I could take in pure Maths, Applied Maths and Statistics key in making me choose UCD Science. During my first two years I realised I really enjoyed Theoretical Maths, Applied Maths and Statistics and I'm now studying towards a BSc Mathematical Science degree. The degree offers a range of theoretical and applied modules, with lots of hands-on data analysis using computer software, and some computer programming. I hope to find a job in Statistics where I can apply my statistical, data modelling skills and my applied maths modelling skills."

Conor Cronin Student

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

We recommend that all students in Mathematical Science should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Economics & Finance →88

Actuarial & Financial Studies →122

Why is this course for me?

If you enjoy Mathematics or have an aptitude for logical thinking, UCD's four-year degree in Mathematical Science is an ideal choice for you. Set up in response to the demands of business and industry for people trained in analytical thinking, it's a highly respected and fully flexible degree. You will learn the accurate and concise language of Mathematics that underpins many of the technological advances of the modern world and how to model mathematically a wide variety of real-world problems and present your solutions clearly.

What will I study?

This is a sample pathway for a degree in Mathematical Science. Topics include statistical modelling, probability theory, computational science, cryptography, financial mathematics and actuarial statistics.

First Year

Statistics • Mathematics • Applied & Computational Mathematics • Physics • Elective modules

Second Year

Mathematical Science (includes Statistics, Mathematics and Applied & Computational Mathematics) • Elective modules

Third Year

Statistics • Mathematics • Applied & Computational Mathematics • Elective modules

Fourth Year

Statistics • Mathematics • Applied & Computational Mathematics

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

There is a high demand for Mathematical Science graduates in communications and information technology, coding and cryptography, education, finance and banking, government statistics, healthcare, mathematical and statistical modelling, meteorology and climate research, pharmaceutical research, software design, statistical and agricultural research and the civil service.

With a Mathematical Science degree, you'll be well equipped to pursue research at MSc or PhD level in disciplines including actuarial science, applied mathematics, bio-mathematics, climate science, coding and cryptography, computational science, financial mathematics, mathematics, meteorology and statistics.

International Study Opportunities

Students may apply to study abroad for a semester or year in third year in a range of worldwide universities. Potential universities include:

- University of Texas at Austin, USA
- University of California, USA
- University of Perugia, Italy
- University of Konstanz, Germany

www.ucd.ie/**myucd/mathematicalscience**

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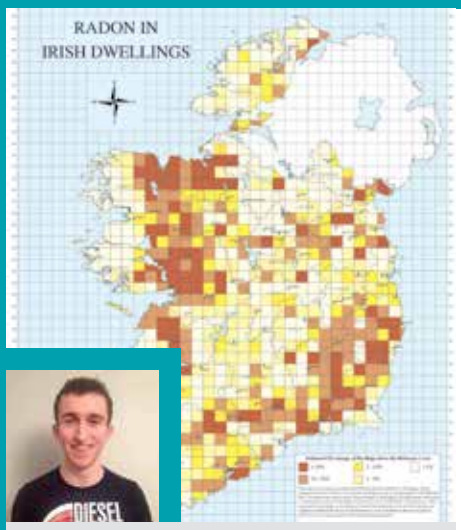
facebook.com/**UCDScience**

"In 6th Year I didn't really know which course to choose. By picking UCD Science I got to try out subjects I was curious about such as Biology and Chemistry before choosing Statistics. The mix of problem solving, Mathematics and real-world applications in Statistics is ideal for someone with an aptitude for numbers. The data analysis skills I have learned in class are applied to real-world data and are incredibly valuable skills sought after by employers. It can be fascinating to use modern computer software to extract useful information from what looks like a jumble of data! I've also had great fun taking part in the Science Society's events like charity cycles, mystery tours and the Science ball, as well as becoming a Peer Mentor and going on class trips abroad."

Eoin Whelan Student



A map of Ireland showing radon in Irish dwellings
Map by the Radiological Protection Institute of Ireland

Statistics

BSc (Hons) (NFQ Level 8)

Why is this course for me?

According to *The New York Times*, statistics is the number one career for the 21st century. In Ireland, employers can't find enough qualified graduates and now is the time to choose to study for a degree with a great future. Wherever data is collected, statistics and data analytics skills are required. Statisticians develop mathematical models for uncertainty and investigate their properties and applicability. The power of modern computing continues to have a major impact on both the development and applicability of statistical methods in almost every area of science, business and industry.

All of the sciences, especially the biological sciences, have in recent years become more quantitative and the skills gained from studying Statistics in UCD Science complement all of the University's Science degrees. Combining Statistics with a degree in any of the sciences will increase your employability.

What will I study?

This is a sample pathway for a degree in Statistics. Topics may include statistical modelling, probability theory, biostatistics, survey sampling, linear models, Bayesian statistics, Monte Carlo inference and actuarial statistics.

First Year

Statistics • Mathematics • Computer Science • Optional Science modules • Elective modules

Second Year

Statistics • + 1 other Science subject • Elective modules

Third Year

Statistics • Mathematics • Financial Mathematics • Elective modules

Fourth Year

Statistics • Applied & Computational Mathematics • Financial Mathematics

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Statisticians play a key role in virtually all areas of science and society:

- In the pharmaceutical industry, statistical modelling is vital in developing new drugs
- Statisticians help businesses investigate their customer behaviour to enhance their profitability
- Statistical skills are key in the new emerging areas of bioscience, such as genetics and bio-informatics
- Training in statistical science is valued in many industries such as finance, environmental science, economic analysis, medicine, education, health and social services, and many areas of government

With a Statistics degree you'll be in demand as more and more employers are seeking to hire statisticians. There has never been a better time to take this degree. There are various opportunities for graduate study in statistics in both taught and research programmes, and a number of our graduates complete further studies.

International Study Opportunities

Students may apply to study abroad for a semester or year in third year in a range of worldwide universities. Potential universities include: University of Texas at Austin, USA • University of California, USA • University of Perugia, Italy • University of Konstanz, Germany

CAO Code **DN200 MPG**

CAO Points Range 2015 **510 — 625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

We recommend that all students in Statistics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Mathematical Science → 114
Actuarial & Financial Studies → 122
Statistics (Arts, Humanities & Social Science) → 64

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Physics

BSc (Hons) (NFQ Level 8)

Physics students in the new undergraduate laboratory

"I graduated from UCD Physics with a BSc in 1996, and, following a PhD in Nuclear Physics at Manchester University, landed a job as a Mission Systems Engineer at EADS Astrium. My job was to examine future planetary and space science missions in support of the European Space Agency. I was also central to the development of a national Nanosatellite programme for the UK (UKube) – something I wish to see for Ireland. I now work as a Programme Manager for AMPAC-ISP at its Dublin HQ, being responsible for spacecraft propulsion development programmes such as a new European High Thrust engine."

Dr Ronan Wall Graduate

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Theoretical Physics →118

Physics with Astronomy & Space Science →117

Why is this course for me?

Physics is about the fundamental laws of the universe that govern living as well as non-living systems. It is a fundamental science involving a deep understanding of nature derived from mathematical and experimental insights. Physics is the subject that constantly asks "why?", questioning why matter and energy exist and act as they do, and discovering the underlying rules that govern their behaviour. Physicists now believe that all phenomena observed in the universe can be explained in terms of a handful of forces: gravity, electricity, magnetism, and weak and strong nuclear interactions.

X-rays, radioactivity and particle beams have led to advances in medicine. The invention of lasers and solid-state transistors by physicists paved the way for computers, DVD players and iPods. Understanding physical principles and discovering new laws that explain our universe at an even deeper level are the challenges that confront physicists in the 21st century.

What will I study?

This is a sample pathway for a degree in Physics. Topics include fields, waves and light, quantum mechanics, astrophysics, thermal physics, optics and lasers, atomic and nuclear physics, particle physics, condensed matter physics and medical physics.

First Year
Physics • Mathematics • Optional Science modules • Elective modules

Second Year
Physics • + 1 other Science subject • Elective modules

Third Year
Physics • Elective modules

Fourth Year
Physics (includes a research project)

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Recent Physics graduates have pursued careers in the following:

Energy technology • Medical physics • Meteorology • Advanced materials (e.g. semiconductor industry) • Geoscience • ICT and financial industries • Semi-state bodies such as EPA's Office of Radiological Protection

Graduates are also eligible to apply for MSc programmes in Nanobio Science, Space Science & Technology, Nanotechnology, Medical Physics or Meteorology, or for PhD programmes in Ireland and abroad in diverse areas such as Radiation Physics, Physics of Advanced Materials, Atomic Physics, Particle Physics and Astrophysics.

International Study Opportunities

Students can apply to study for a semester or year in third year in a number of universities worldwide including:

- University of California, Berkeley, USA
- University of California, Santa Cruz, USA
- San Jose State University, California, USA
- University of Melbourne, Australia

www.ucd.ie/**myucd/physics**

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"After studying Physics, Chemistry and Technology in school, I wanted to know more about the science behind the stars. The community and campus were very exciting, but it was the course that made me choose UCD. The flexibility of DN200 meant that I could do the subjects I wanted – Physics and Maths. UCD has so many opportunities to get involved. I have been a peer mentor, Student Ambassador and as part of the Physics Society, 60 of us visited CERN in Geneva last year. Our Fourth Year trip is to Teide Observatory in Tenerife where we will get to use a telescope and observe a galaxy or star. After I graduate I would like to continue with my masters and PhD in Observational Astronomy."

Lána Salmon Student

Star Trails around Polaris on top of the IAC-80 telescope at Teide Observatory

Physics with Astronomy & Space Science

BSc (Hons) (NFQ Level 8)

Why is this course for me?

The space sector is enjoying exceptional growth, with increasing demand for suitably qualified graduates. Satellites play a key role in navigation, communication and space exploration. This course is primarily a Physics degree that also provides an introduction to the applications of Physics in Astrophysics and Space Science. Students gain an understanding of how ground-based and space-based technologies are used to explore the universe. Astronomers pursue knowledge and understanding of the underlying processes at work in the universe through physics. The core of the degree is therefore an Institute of Physics accredited honours BSc qualification.

What will I study?

Students gain hands-on experience using professional astronomical telescopes, including UCD's 'Watcher' robotic telescope in South Africa. Space instrumentation and data analysis, including programming, form part of the laboratory training.

This is a sample pathway for a degree in Physics with Astronomy & Space Science:

First Year

Physics • Mathematics • Astronomy & Space Science • Optional Science modules • Elective modules

Second Year

Physics • + 1 other Science subject • Elective modules

Third Year

Physics with Astronomy & Space Science

Support is provided for students applying to summer internship programmes e.g. at ESA. UCD Physics offers research experience to undergraduates, including in the Astrophysics and Space Science research groups • Elective modules

Fourth Year

Physics with Astronomy & Space Science Students either participate in a week-long mission-design workshop at the University of La Laguna in Tenerife, or they undertake astronomical observations at Tenerife's Teide Observatory.

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

The space sector demands a highly skilled workforce. There are opportunities for graduates to work with major space agencies, such as ESA and NASA, or with space companies. Since the Physics with Astronomy & Space Science degree is an accredited Physics degree, graduates are also qualified to go into medical physics, meteorology, semiconductor technology, energy, ICT and finance.

Graduates may apply for MSc programmes such as Space Science & Technology. They may also pursue research through PhD programmes in Ireland and abroad in many fields of physics.

International Study Opportunities

Students can apply to study for a semester or year in third year in a number of universities worldwide including:

- University of California, Berkeley, USA
- University of California, Santa Cruz, USA
- San Jose State University, California, USA
- University of Melbourne, Australia

CAO Code **DN200 MPG**

CAO Points Range 2015 **510 — 625**

Length of Course **4 Years**

DN200 Places **402**

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Physics →116
Theoretical Physics →118

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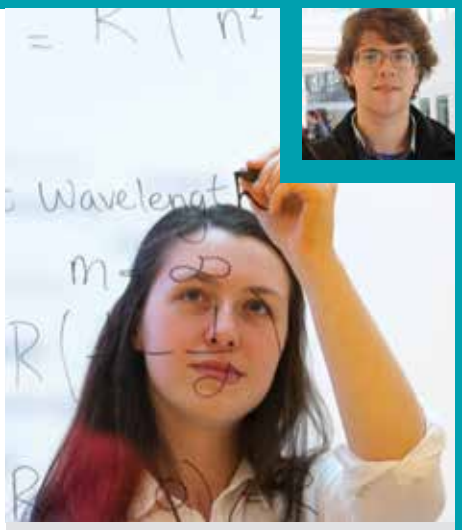
Theoretical Physics

BSc (Hons) (NFQ Level 8)



Third Year student Lána writing the Rydberg formula for the wavelengths of Hydrogen atomic transitions.

"The subjects I most enjoyed at school were Maths, Physics and Chemistry. DN200 Science offered me the chance to study all three in First Year. Although I enjoyed the practical aspects of Chemistry and the challenge of Mathematics, I enjoyed Applied Mathematics and Physics more. However, I found that I couldn't decide between the two of them. Theoretical Physics has allowed me to keep and combine aspects from both disciplines, with a wide choice of modules including thermodynamics, computational science, biophysics, and astrophysics. Theoretical Physics has a high emphasis on group work, which I had direct experience with working in a computational biophysical chemistry lab while studying abroad in California during my Third Year. This year, I hope to begin a PhD at the University of Edinburgh, modelling a variety of physical and biophysical phenomena."

Eoin Ó Laighléis Student

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Applied & Computational Mathematics →111
Physics →116

Why is this course for me?

The UCD Theoretical Physics degree puts emphasis on the mathematical description of physical phenomena, providing a unified picture of the fundamental laws of nature. It's ideally suited to students who enjoy studying Mathematics and Physics for their Leaving Certificate. Insights from Theoretical Physics are driving our understanding of nature at all scales, from the origin of large-scale structures in the universe to the Planck scale, where our current understanding of space and time breaks down. The degree comprehensively covers Theoretical Physics while developing your knowledge and expertise in problem solving, using analytical and computational techniques, which have wide application in, for example, biophysics, econophysics, quantum physics, relativity and nanoscience.

What will I study?

This is a sample pathway for a degree in Theoretical Physics. Topics include electromagnetism, mathematical modelling, mechanics and special relativity, vector calculus, statistical physics, fluid mechanics, computational science, quantum mechanics and nuclear physics, general relativity, and statistical physics.

First Year

Physics • Mathematics • Optional Science modules • Elective modules

Second Year

Theoretical Physics • + 1 other Science subject • Elective modules

Third Year

Theoretical Physics (includes Quantum Physics and Electrodynamics, Applied & Computational Mathematics and Mathematics) • Elective modules

Fourth Year

Theoretical Physics (including General Relativity, Quantum Field Theory, Statistical and Particle Physics, Applied & Computational Mathematics, Theoretical Physics project).

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Theoretical Physics graduates can choose to develop careers in:

- Academic and government research institutions
- Energy technologies
- Information and communication technology
- Advanced materials [e.g. semiconductor industry]
- Management consulting, stock market and financial risk analysis
- Climate change and environmental impact analysis
- Second- and third-level education

Our Theoretical Physics graduates are well prepared for further research and have successfully completed PhDs in MIT, Caltech, Harvard, Princeton and Cambridge, as well as in UCD.

International Study Opportunities

Students can apply to study for a semester or year in third year in a number of universities worldwide including:

- University of California, Berkeley, USA
- University of California, Santa Cruz, USA
- San Jose State University, California, USA
- University of Melbourne, Australia

www.ucd.ie/**myucd/theoreticalphysics**

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"Geology at UCD provided me with both a solid understanding of the subject and excellent practical skills. The skills acquired through the practical coursework and field trips play an important part in my everyday work in the field of contaminated land and geotechnical ground investigation. Following my BSc degree and Master's in Environment Engineering Technology, with UCD's Department of Biosystems Engineering, I worked with an environmental planning consultancy in Ireland. I then relocated to the UK to work with a geo-environmental and geotechnical consultancy. I am currently enjoying living in Sydney and working with an international engineering consultancy on large-scale contaminated land remediation projects."

Aoife Mc Kenna Graduate

Second year field class in the Doolough valley, Co. Mayo

Geology

BSc (Hons) (NFQ Level 8)

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 4 Years

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

Geology is the study of the Earth: the nature and origin of materials that make up our planet and the natural and energy resources it provides. It explores the processes that shape the Earth (e.g. climate change, earthquakes, volcanoes and landslides). Geology addresses fundamental questions regarding the structure, age and evolution of the Earth, its controlling processes and the history of life. Geology impacts profoundly on many aspects of life and society.

What will I study?

This is a sample pathway for a degree in Geology. Topics include sedimentology, palaeobiology, geochemistry, volcanology, petrology, geophysics, structural geology, tectonics, earth evolution, earth resources and applied geology.

First Year

Geology • Mathematics • Optional Science modules • Elective modules

Second Year

Geology (includes a residential field course in the west of Ireland) • + 1 other Science subject • Elective modules

Third Year

Geology (includes residential field courses in Ireland and England) • Elective modules

Fourth Year

Geology: the year begins with a summer field-mapping research project, with follow-up research and report completion during the first semester of fourth year. There is a 10-day residential field course, usually held in Spain.

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Geology graduates work in areas essential to understanding and protecting the environment, in industries using natural resources and developing infrastructure in roles such as geological surveyors, petroleum and mineral exploration and production geologists, mine geologists, hydrogeologists, oceanographers, geochemists, environmental consultants and engineering and structural geologists.

Graduates can also pursue a range of MSc or PhD opportunities in Ireland or abroad. Graduate programmes include the UCD MSc in Petroleum Geoscience, and programmes offered by several UK universities include MSc in Hydrogeology, MSc in Engineering Geology, and MSc in Oceanography.

Other courses of interest

Archaeology →36

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Applied Mathematics & Mathematics Education

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

Practical class and teaching mathematics

"I chose to study Science at university because I saw it as a first step in achieving my goal of becoming a post-primary teacher. The plan was: BSc in Maths followed by a qualification in Education. But at university, as I became more immersed in the world of mathematical thinking, problem-solving, proof and abstraction, and appreciated more the power and beauty of maths, I became conflicted – which to choose, maths or teaching? I chose maths then but today feel fortunate as my job involves the best of both worlds. This degree offers you the opportunity to explore and experience the two worlds of science and education in an integrated manner without compromising one for the other."

Dr Maria Meehan Senior Lecturer

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 5 Years (BSc 4 Years + MSc 1 Year)

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent.) Applied Mathematics or Geography may be used instead of a laboratory science subject) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

We recommend that all students in Applied Mathematics & Mathematics Education should have a minimum Grade H4 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Biology & Mathematics Education	→105
Chemistry & Mathematics Education	→110
Physics & Mathematics Education	→121

Why is this course for me?

If you're interested in mathematics and applied mathematics, and think you might like to teach these subjects at post-primary level, then this course may be for you. It's designed so that from the start you study mathematics and applied mathematics, along with education, in an integrated manner. In third year, you will gain teaching experience by completing placements (which we find for you) in a post-primary school and as a third-level tutor.

The four-year BSc in Applied Mathematics, Mathematics and Education leads directly to the one-year MSc in Mathematics and Science Education. On completion of both degrees you are fully qualified to teach Applied Mathematics and Mathematics to Higher Level Leaving Certificate Level.

What will I study?

This is a sample pathway for Applied Mathematics & Mathematics Education.

First Year
Mathematics • Applied Mathematics • Education • Elective modules

Second Year
Mathematics • Applied Mathematics • Education • Elective modules

Third Year
Mathematics • Applied Mathematics • Education • School placement – one placement in a post-primary school, and one placement as a third-level tutor

Fourth Year
Education • School placement • Mathematics & Applied Mathematics

Fifth Year
Education • School placement

Career & Graduate Study Opportunities

On completion of the BSc, students have guaranteed entry to the MSc in Mathematics & Science Education, provided they have achieved a GPA of 3.08. This is equivalent to a 2.1 Honours.

Placements are integrated into this course from first year. In particular, during the last two years of the course, students are assigned year-long placements at two different post-primary schools. These placements are designed so that students not only obtain teaching experience, but also gain a whole-of-school experience through participating in parent-teacher meetings, timetabling etc. The complete five-year course is fully accredited by the Teaching Council of Ireland.

KEY FACTS

The five-year course is fully accredited by the Teaching Council of Ireland.

Placements are integrated into this course from first year with year-long placements at two different post-primary schools during the final two years of the course.

www.ucd.ie/**myucd/amathed**

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"I studied Theoretical Physics here in UCD as my undergraduate degree because it combined the two subjects I was really interested in: mathematics and physics. Mathematics is fundamental in science and is particularly relevant in physics since it provides a way of understanding and unravelling how the world around us works. A few years after graduating I decided I wanted to work in education and enjoyed teaching Mathematics, Physics and Applied Mathematics at second level and Mathematics Education at third level. It is essential that there are more teachers of Mathematics and Science who are knowledgeable and passionate about their subjects and the Science and Mathematics Education pathways in DN200 will contribute to the next generation of well-qualified and innovative teachers."

Dr Aoibhinn Ní Shúilleabháin Lecturer

Students discussing how to prepare a physics class

Physics & Mathematics Education

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

Why is this course for me?

If you are interested in physics and mathematics, and think you might like to teach these subjects at post-primary level, then this course may be for you. It's designed so that from the start you study physics and mathematics, along with education, in an integrated manner. In third year, you'll gain teaching experience by completing placements (which we find for you) in a post-primary school and as a third-level tutor.

The four-year BSc in Physics, Mathematics and Education leads directly to the one-year MSc in Mathematics and Science Education. On completion of both degrees you are fully qualified to teach physics and mathematics to Higher Level Leaving Certificate Level and Science to Junior Certificate Level

What will I study?

This is a sample pathway for Physics & Mathematics Education.

First Year
Physics • Mathematics • Education • Biology & Chemistry • Elective modules

Second Year
Physics • Mathematics • Education • Elective modules

Third Year
Physics • Mathematics • Education • School placement – one placement in a post-primary school, and one placement as a third-level tutor

Fourth Year
Education • School placement • Physics & Mathematics

Fifth Year
Education • School placement

Career & Graduate Study Opportunities

On completion of the BSc, students have guaranteed entry to the MSc in Mathematics & Science Education, provided they have achieved a GPA of 3.08. This is equivalent to a 2.1 Honours.

Placements are integrated into this course from first year. In particular, during the last two years of the course, students are assigned year-long placements at two different post-primary schools. These placements are designed so that students not only obtain teaching experience, but also gain a whole-of-school experience through participating in parent-teacher meetings,timetabling etc. The complete five-year course is fully accredited by the Teaching Council of Ireland.

KEY FACTS

The five-year course is fully accredited by the Teaching Council of Ireland.

Placements are integrated into this course from first year with year-long placements at two different post-primary schools during the final two years of the course.

CAO Code **DN200 MPG**

CAO Points Range 2015 510 — 625

Length of Course 5 Years (BSc 4 Years + MSc 1 Year)

DN200 Places 402

Entry Requirements

English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • One laboratory science subject (Min O3/H6 in LC or equivalent. Applied Mathematics or Geography may be used instead of a laboratory science subject.) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
We recommend that all students in Physics & Mathematics Education should have a minimum Grade H4 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest

Applied Mathematics & Mathematics Education	→120
Biology & Mathematics Education	→105
Chemistry & Mathematics Education	→110

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Actuarial & Financial Studies

BAFS (Hons) (NFQ Level 8)

"One of the most important aspects of the degree was the six-month work placement during third year. It provided excellent exposure to the working environment and gave a taste of what it is like to work as an actuary. Another advantage is the small class size. The class is a tight-knit group and this is important during the degree and in the work environment afterwards. I now work in Regulation and my role involves reviewing reports on insurers' pricing, reserving and risk management processes. The work can be challenging and actuaries are constantly updating their knowledge and skills to adapt to the changing environment with the introduction of new regulations and greater emphasis on risk management after the financial crisis in 2008."

Marie Bradley
FSAI, Senior Actuary at Central Bank of Ireland

CAO Code **DN230**

CAO Points Range 2015 570—625

Length of Course 4 Years

Places 47

Entry Requirements
English • Irish • Mathematics (Min H2 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest

Commerce	→84
Economics & Finance	→88
Financial Mathematics	→112
Mathematical Science	→114

www.ucd.ie/**myucd/actuarialandfinancialstudies**

Why is this course for me?

If you enjoy studying Higher Level Mathematics for the Leaving Certificate or at A-Level and you have strong analytical and problem-solving skills, the UCD BAFS (Hons) degree could be for you. It will prepare you for a professional career in the actuarial or financial professions, but it has also been designed to be broader and more diverse than most traditional courses in actuarial science.

It takes a combination of strong analytical skills, business knowledge and understanding of human behaviour to design and manage programmes that control risk and guarantee sufficient funds for the insurance and pension sectors. For example, the actuary works out the risk (e.g. the likelihood of a fire happening) and calculates how much the customer should pay for insurance cover to ensure that the insurance company has sufficient funds to pay out if the incident occurs.

What will I study?

This is a sample pathway for a degree in Actuarial & Financial Studies. Subjects include accountancy, finance, mathematics, information management and statistics.

First Year
Mathematics • Economics • Statistics • Accounting • Computer Science • Elective modules

Second Year
Actuarial & Financial Studies • Elective modules

Third Year
Actuarial & Financial Studies includes a six-month supervised professional placement in insurance and financial institutions in Ireland, the UK or the USA

Fourth Year
Actuarial & Financial Studies
The Actuarial & Financial Studies course is full time and includes a mixture of lectures, tutorials and practical assignments.

Assessment for each module will vary and may comprise a written exam, multiple-choice questionnaires and continuous assessment activities.

Career & Graduate Study Opportunities

Most BAFS graduates take positions as actuarial trainees in the following:

- Life insurance
- Pensions
- Health insurance
- General insurance

Should you achieve a sufficiently high standard in the degree, you'll gain some (or all) exemptions from the Core Technical series examinations (CT1:8) as well as the Core Applications CA1 examination of the Institute and Faculty of Actuaries.

Some graduates also work in banking or finance as business or financial analysts. As a graduate of the BAFS degree, you're also eligible to pursue graduate study in statistics, computer science, economics, mathematics, management science, finance and other specialist business subjects.

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"It took me a while to realise I wanted to study Computer Science. In school I was very interested in Maths and problem solving and for a while a Maths degree topped my CAO. After I found out more about Computer Science I realised that it could provide me with an outlet for my love of problem solving with a practical element too. I picked UCD because I liked that their degree had more software elements than others, whilst still remaining balanced. For my Fourth Year project I have the option of choosing between using drones to map out a 3D room or analyse Twitter trends to find out more about the people who use it. I recently got accepted to do a Summer Internship with Deloitte in their Technology Consulting department."
Clíodhna Connolly Student

"Visualising a goal" as part of a Computer Science module in Project Management

Computer Science

BSc (Hons) (NFQ Level 8)

CAO Code **DN201**

CAO Points Range 2015 470—615

Length of Course 4 Years

DN201 Places 105

Entry Requirements
English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Why is this course for me?

Do you ever wonder how Google, Skype, Internet banking or computer games work? Would you like to develop the next generation of cutting-edge computing technologies? If you're a logical thinker who likes problem solving and you enjoy subjects like mathematics, a degree in Computer Science could be for you. Computer scientists have advanced data compression technology that inspired the digital media revolution, e.g. DVDs, mp3s and YouTube video streaming.

What will I study?

This is a sample pathway for a degree in Computer Science. Topics include advanced software engineering, mobile application development, networks and Internet systems and web multimedia. Students learn programming languages such as Java, Perl and Ruby; markup languages such as HTML, XML; Internet technologies such as ASP, PHP and Flash; and graphics languages such as OpenGL and VRML. Students will also use both Windows and Linux/Unix operating systems.

First Year
Computer Science • Mathematics • Elective modules

Second Year
Computer Science • Mathematics • Elective modules

Third Year
Computer Science (UCD School of Computer Science & Informatics runs a research summer internship programme and students can apply for summer and longer internships in companies such as Google, Microsoft and IBM) • Elective modules

Fourth Year
Computer Science (includes a research project)

The Computer Science course is full time and includes a mixture of lectures, tutorials and practical assignments.

Assessment for each module will vary and may comprise a written exam, individual homework assignments, group projects and continuous assessment.

Career & Graduate Study Opportunities

A UCD Computer Science degree equips you with the necessary skills to work as a computer programmer, software engineer or architect, database designer, web developer, network engineer, digital circuit designer, systems administrator or manager, and IT consultant. Many graduates also go on to start their own companies. With a BSc in Computer Science you're also eligible to pursue graduate study in computer science and in related areas such as business, mathematics and engineering.

International Study Opportunities

Universities that students have visited to date include the University of Auckland, New Zealand, the University of California, Irvine, USA, and Fudan University, Shanghai, China.

"My UCD Computer Science degree provided me with the essential skills I need for my career as a software development engineer in Test in Microsoft."
Siobhan Dunne
Software Development Engineer at Microsoft

Other courses of interest
Commerce →84
Applied & Computational Mathematics →111

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Computer Science with Data Science

BSc (Hons) (NFQ Level 8)

Professor Cunningham is Head of the School of Computer Science and Professor of Knowledge and Data Engineering. He 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) and the Centre for Applied Data Analytics (ceadar.ie) both located in UCD. Through CeADAR and Insight the UCD School of Computer Science collaborate with over 70 companies on Data Science research.

Professor Pádraig Cunningham
Staff

CAO Code **DN201**

CAO Points Range 2015 470—615

Length of Course 4 Years

DN201 Places 105

Entry Requirements
English • Irish • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Actuarial and Financial Studies	→122
Computer Science	→123
Theoretical Physics	→118

Why is this course for me?

If you have an interest in technology and trends, this degree could be for you. At its core data science is about extracting insights from data that can transform the way a company operates. For example, understanding data can match millions of businesses with new customers around the world in the areas of advertising and e-commerce. Mining large-scale data sets based on our health can inform pharmaceutical companies when choosing new medicines to develop and capturing data streams from wearable devices can improve our understanding of our habits and routines. Agri-food, energy, transport, government, education are all examples of industries on the verge of being transformed by the power of data-driven methods.

What will I study?

This degree follows the same first two years as the BSc in Computer Science which will give you an excellent foundation in Computer Science and Mathematics. The in-depth focus on Data Science begins in Third Year when you will study Statistics, Data Management and Data Analytics. The aim is to provide the technical depth and the practical experience that you will need to stand out in an increasingly demanding market place. Modules will include hands-on experience with contemporary data science tools such as Hadoop, NoSQL, Python, SciPy, SciKit.Learn, Matplotlib, Numpy and Panda.

This is a sample pathway for a degree in Computer Science with Data Science. Sample topics include Machine Learning, Probability Theory, Introduction to AI, Networks & Internet Systems, Data Science in Python, Data Mining, Information Visualisation, and Programming for Big Data.

First Year
Computer Science • Mathematics • Elective modules

Second Year
Computer Science • Mathematics • Elective modules

Third Year
Computer Science • Data Science • Elective modules

Fourth Year
Computer Science • Data Science (includes a research project)

The Computer Science course is full time and includes a mixture of lectures, tutorials and practical assignments. Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Graduates with training in Computer Science with Data Science work in fields such as:

- Banking and Financial Services
- Consultancy (e.g. Accenture, Deloitte)
- Internet companies such as Google, PayPal and Facebook
- Established ICT companies such as IBM, Microsoft and Intel
- ICT Startups

Graduates can also pursue a range of MSc or PhD programmes such as the MSc Computer Science (Negotiated Learning) or the MSc Digital Forensics and Cybercrime Investigation.

International Study Opportunities

Universities that students have visited to date include the University of Auckland, New Zealand, the University of California, Irvine, USA, and Fudan University, Shanghai, China.

www.ucd.ie/**myucd/computersciencedatascience**

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Medicine

Medicine	**126**
Medicine (Graduate Entry)	**128**
Biomedical, Health & Life Sciences	**129**

From your first day in the dissection lab to the start of your clinical training, student life at UCD School of Medicine is a stimulating, diverse and vibrant experience. When you choose Medicine at UCD, you choose early patient contact, a world-class curriculum and an unrivalled calendar of social and extracurricular activities.

Why UCD Medicine?

As a UCD medical student, you will experience a modern, internationally recognised curriculum that introduces patient contact and clinical skills at an early stage. Our modular programmes combine lectures and seminars from leading academics and practitioners, patient-led learning and clinically based real-world education at Ireland's leading network of acute and specialist teaching hospitals.

You will have opportunities to benefit from a range of integrated international study options which could take you all over the world, and to immerse yourself in the science of medicine through our acclaimed undergraduate student research programme.

All of our programmes are delivered at Ireland's most diverse, student-friendly university.

Your First Year Experience

In your first year, you will be introduced to the science of medicine, which underpins our biomedical and clinical curriculum. You will also be introduced to ethical, societal and technological issues relevant to the practice of medicine.

Teaching methods include lectures, small group sessions, practicals and tutorials.

Your first year is also an opportunity to explore the diversity of university life. Not only can you design your own degree with electives from across UCD, but you will enjoy a student experience that includes over 70 student societies, 55 sports clubs and a state-of-the-art student sports centre.

Medicine

MB, BCh, BAO (Hons) (NFQ Level 8)

"Starting on my clinical placement has been by far the most interesting part of the course. It's fascinating to see the things we've studied in text books and lectures actually happening, and we get to be really involved in patient care, so each day is different. I would say hands-down it's the best decision you will ever make. I've met so many great friends and the entire college experience has been so rewarding."

Niamh Crotty Graduate

CAO Code **DN400**

CAO Points Range 2015 555—625
HPAT Score Range 2015 172—239
Combined Range 2015 736—804
Length of Course 6 Years[1]
Places 90

[1] **Exemptions from Stage 1:** Each year, depending on availability of places, some entrants may be granted exemption from stage 1. Generally these are graduates or those who have at least 1 year of successful third level experience in a relevant discipline. School leavers are not considered.

Entry Requirements
English • Irish • A third language • Mathematics • One laboratory science subject • One other recognised subject

Minimum **480 CAO points** or equivalent which **must** be achieved in the same examination sitting as subject matriculation requirements

Plus HPAT admission test. For scoring details see: **www.ucd.ie/myucd.ucd.ie/admissions/medicine-additional-requirements.ezc**

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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes None

Level 6/7 Progression Routes None

Mature Entry Route
Yes, see page 188

Health Screening & Garda Vetting
See page 185

Other courses of interest

Biomedical, Health & Life Sciences	→129
Radiography	→131
Physiotherapy	→141
Science	→90

www.ucd.ie/**myucd/med**

Why is this course for me?

Our curriculum is patient-centred and continually adapts to the needs of society and developments in medical knowledge. You'll learn from world-class educators and patients in state-of-the-art facilities, immerse yourself in our acclaimed undergraduate student research programme and benefit from a diverse, international student population.

The main hospitals associated with our programme are St Vincent's University Hospital and the Mater Misericordiae University Hospital. In addition there are more than 20 other training hospitals and more than 100 primary care practices that facilitate your learning. You will also benefit from a diverse range of exciting international placement opportunities.

What will I study?

First Year

Focuses on core sciences and their application to Medicine. Highlights include:
Chemistry • Biology • Physics • Genetics • Human Ethics • Healthcare Imaging • Science Medicine & Society

Second Year

Focuses on the structure and function of healthy organ systems.
Highlights include:
Anatomy Dissection • Interviewing patients in the community

Third & Fourth Year

Complete the study of organ systems in health and disease.
Begin clinical attachments. Highlights include:

Pathology • Microbiology • Pharmacology • Neurosciences • Clinical attachments in hospitals • Clinical Diagnosis & Therapeutics • Respiratory Diseases

Fifth & Sixth Year

Immersive clinical attachments, instruction in the various medical specialties, clinical elective and professional completion.
Highlights include:
Medicine • Surgery • Obstetrics & Gynaecology • Paediatrics • Psychiatry • General Practice & Community Medicine • Legal Medicine • Public Health Medicine • Professional Completion

The Medicine programme combines lectures, seminars, patient educator sessions, simulations, small group tutorials and clinical bedside learning. For a full course outline, visit **www.ucd.ie/myucd/med/**.

Assessment methods include end-of-semester exams, practicals and continuous assessment.

Career & Graduate Study Opportunities

Graduates of the School have achieved worldwide recognition in clinical practice, research and healthcare leadership. Upon graduation, you must complete one year as an intern to gain full registration with the Irish Medical Council. You may then pursue training towards a career in a wide variety of specialties, in diverse settings, including hospitals and primary care facilities, or laboratory-based diagnosis and research.

International Study Opportunities

Our international network offers students exciting opportunities to gain experience overseas. Scholarships are available to support elective periods in clinical and academic centres all over the world.

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Studying UCD Medicine

Year 1 — Engage with the principles

SCIENTIFIC PRINCIPLES OF HUMAN HEALTH

- Physical Sciences
- Genetics
- Social & Ethical Concepts
- Cellular & Human Biology

Year 2 — Refine your knowledge

UNDERSTANDING HEALTHY ORGAN SYSTEMS

- Anatomy
- Histology
- Biochemistry
- Physiology

CLINICAL CONCEPTS

- Health Informatics/Basic Clinical Skills/Public Health

Years 3 & 4 — Apply your knowledge

UNDERSTANDING HUMAN DISEASE

- Anatomy & Physiology
- Pathology
- Clinical Pharmacology
- Microbiology

CLINICAL & PROFESSIONAL CONCEPTS

- History Taking & Patient Examination
- Disability Studies Professionalism Ethics
- ENT & Ophthalmology/ Therapeutics

Graduate Entry to Medicine (GEM)
Two years

Years 5 & 6 — Prepare for professional practice

HOSPITAL & COMMUNITY BASED ADVANCED CLINICAL PRACTICE

- Medicine
- Surgery
- Paediatrics
- Obstetrics & Gynaecology
- Psychiatry
- General Practice
- Legal Medicine
- Public Health Medicine
- International study abroad option
- Professional Completion including Subinternship

MB, BCh, BAO (Honours)

Specialise through UCD graduate study

Master's (Research) & PhD

Translational Research MSc, MCh, PhD:

- Vascular Disease & Diabetes
- Infection & Inflammation
- Biological Imaging

Doctor

Internship alongside UCD Certified Training Programme

Shape your career with UCD Medicine

HOSPITAL CONSULTANT:
Medicine, Surgery, Paediatrics, Obstetrics, Psychiatry, Radiology, Anaesthesia

GENERAL PRACTITIONER

PUBLIC HEALTH DOCTOR

CLINICAL RESEARCH

Continue to develop your professional career with UCD...

Medicine (Graduate Entry)

MB, BCh, BAO (Hons) (NFQ Level 8)

"My time at UCD has been both academically stimulating and personally rewarding. From student research competitions, to Hospitals Rugby and more, the University, and the Graduate Entry Medicine programme in particular, caters for all interests. Entering clinical years has allowed me to focus my career goals and gain a true appreciation for a patient-centred approach to medicine. There is a real sense of camaraderie among my classmates and their support and that of the faculty is tremendous. I look forward to my upcoming summer electives in North America, and then my return to UCD for my final year. I'm delighted to say that my experience has been nothing but positive and I know that UCD Medicine has fully prepared me for my medical career."

Hilary Dowdall Graduate

CAO Code **DN401**

GAMSAT Score Range 2015 **58 — 77**

Length of Course **4 Years**

Places **77**

Entry Requirements

Minimum grade of second-class honours, grade 1 (2.1) in first Honours Bachelor's degree (NFQ Level 8). The degree can be in any discipline.

All applicants will be required to submit a current GAMSAT score. Places are awarded via the CAO on the basis of GAMSAT scores. Although only graduates are eligible to apply for this programme, the graduate Medicine degree is equivalent in standard to the undergraduate Medicine degree.

Fees Please refer to **www.ucd.ie/fees**

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
None

Health Screening & Garda Vetting
See page 185

Other courses of interest

Veterinary Medicine (Graduate Entry) →166

Why is this course for me?

UCD Graduate Entry Medicine (GEM) provides an innovative, science-driven and patient-centred curriculum, delivered by world-class educators in state-of-the-art facilities.

The main hospitals associated with our programme are St Vincent's University Hospital and the Mater Misericordiae University Hospital. In addition there are more than 20 other training hospitals and more than 100 primary care practices that facilitate your learning.

This intensive, focused course is designed for students with an undergraduate degree who wish to pursue a career in medicine.

What will I study?

First & Second Year

In the first semester, you'll take a series of modules that introduce the application of medical science to the study of biological systems and disease. You'll also learn the clinical skills needed for the rest of the programme. The remainder of the first two years integrates the medical science disciplines, while gradually expanding your professional capabilities in a clinical environment.

Third & Fourth Year

In the final two years, hospital and community placements with structured clinical education complete your degree. During your clinical training you'll participate in a series of specialist rotations including medicine, surgery, psychiatry, obstetrics and paediatrics. Finally, you'll undertake our acclaimed Professional Completion module to integrate your knowledge and prepare you for life as an intern.

Learning methods include lectures, small group sessions, practicals and enquiry-based learning in the classroom and at the bedside.

Career & Graduate Study Opportunities

Graduates of the School have achieved worldwide recognition in clinical practice, research and healthcare leadership. Upon graduation, you must complete one year as an intern to gain full registration with the Irish Medical Council. You may then pursue training towards a career in a wide variety of specialties, in diverse settings, including hospitals and primary care facilities, or laboratory-based diagnosis and research.

International Study Opportunities

Our international network offers students exciting opportunities to gain experience overseas. Scholarships are available to support elective periods in clinical and academic centres all over the world.

www.ucd.ie/**myucd/med**

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"Biomedical Health and Life Sciences is a unique course that has surpassed my expectations. The large choice of classes allowed us to delve into our own particular area of interest, while giving us an insight into both the scientific and medical aspects of treating human illnesses. Our degree focused on the "bench to bedside" approach of treating diseases, where we work as part of a larger, inter-disciplinary health care system. Other opportunities such as voluntary summer research electives and a fourth year research project really enhanced our learning experiences. A twelve-week research project also allowed us to put our academic and practical knowledge to use. I regard my decision to study this course in UCD as the right choice, and I feel well equipped to participate and contribute to the world of medical research during these exciting times."

Jane Bugler Graduate

Biomedical, Health & Life Sciences

BSc (Hons) (NFQ Level 8)

CAO Code **DN440**

CAO Points Range 2015 560—625

Length of Course 4 Years

Places 40

Entry Requirements

English • Irish • A third language • Mathematics • One laboratory science subject • One other recognised subject

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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Why is this course for me?

This course will appeal to those with a keen interest in science and in how research and technology can impact on human health. You'll learn how scientifically driven investigations can advance our knowledge of disease prevention, detection and treatment. The programme will immerse you in modern medical and biological sciences, and focus on the application of scientific developments. The flexible, modular structure of this degree allows you to specialise in the areas of investigative biomedical science that interest you, particularly in the later stages of the degree.

What will I study?

First Year

You'll not only take modules in:

Anatomy • Physiology • Biochemistry • Cell Biology • Genetics

but you'll start to learn about translational research and the influence of science and medicine on society.

Second & Third Year

You'll continue with modules in Cell Biology, Biochemistry, Pharmacology and Physiology. You'll also start to integrate modules focusing on specific diseases and disease processes, in order to learn more about the development of new, more effective means of diagnosing, treating and preventing illness. Supporting modules include:

Biostatistics • Bioinformatics • Drug & Biomarker Discovery • Research Approaches & Methods

Fourth Year

You'll build skills in biomedical research through interactions and research rotations with international researchers in a range of disease areas. These are undertaken within the School of Medicine and its affiliated teaching hospitals.

The degree will develop your fundamental knowledge in the translation of scientific discovery into clinical utilisation.

You'll have the opportunity to be involved in peer-reviewed abstracts and publications and to present at national and international meetings.

You'll experience an innovative mix of learning methods including lectures, small group tutorials, research projects and laboratory-based learning.

Assessment methods include end-of-semester exams, continuous assessment, report writing and oral presentations.

Career & Graduate Study Opportunities

Typically, graduates will follow scientific careers in biomedical research, undertaking MSc and PhD higher degrees. They also have a high success rate for entry to Graduate Entry Medicine programmes and pursue opportunities in the pharmaceutical and biotechnology industries, as well as other areas allied to health.

Other courses of interest

Medicine →126
Physiotherapy →141
Science →90
Veterinary Medicine →164

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Radiography

Do you care about helping others with your skills and knowledge?

Radiography is a caring profession that also calls for considerable technological expertise. It has come a long way since its birth in 1895, when X-rays were discovered. Today it is central to modern healthcare systems and involves working with rapidly evolving technologies – with patient diagnosis, treatment and care at its core. Radiography also offers graduates exceptional employment opportunities and exciting pathways for progression and further study.

Why UCD Radiography?

UCD is one of Europe's leading centres of excellence for radiography and diagnostic imaging. You will follow an innovative curriculum that is constantly evolving to meet the needs of modern healthcare. The programme is delivered in a state-of-the-art, interdisciplinary environment, by expert staff from within the School and throughout our nationwide clinical training network. You will become an integral part of the department team, working alongside radiography colleagues and other health professionals to learn and refine your professional skills.

From early in first year you will have access to modern imaging and clinical education facilities in UCD's Health Sciences Centre. You will develop knowledge of all aspects of medical imaging and image evaluation, and learn how to care for patients, how to perform examinations and how to provide high levels of radiation protection. Such knowledge and skills will ensure that you have acquired complete professional competence upon graduation.

This programme is currently the only diagnostic radiography programme recognised by CORU, the Irish Health and Social Care Professionals Regulatory Body, as an approved programme.

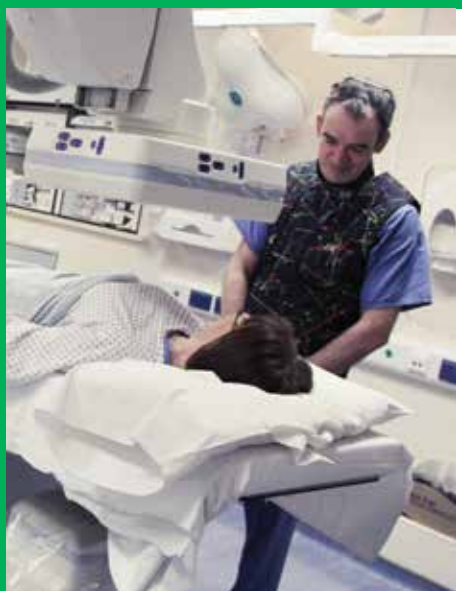
Your First Year Experience

As a first year Radiography student you will be introduced to the concepts of radiation science and technology, human anatomy and radiographic techniques. You will experience interdisciplinary teaching and share some modules with Medicine, Physiotherapy and Biomedical, Health & Life Sciences students. You will also have your first patient contact in one of our many affiliated teaching hospitals, gaining hands-on experience of using diagnostic imaging equipment. By the end of the year you will have a grasp of many basic radiographic techniques and a clear indication of what lies ahead in the programme. These are your first steps on the road to becoming a healthcare professional and an expert in your field.

First year also provides you with the opportunity to pursue healthcare or other elective modules, and to experience everything university life has to offer.

"I found my first year in Radiography to be one of the most interesting, challenging and enjoyable experiences of my life to date. I had the advantage of being in a small class where everyone knows one another, and having great lecturers who make our subjects interesting and are always willing to help. As well as lectures and labs we undertook clinical work placement in the university hospitals. During this time we practised what we'd learnt while gaining hands-on experience working under the supervision and mentorship of our clinical tutors. I found this practical reinforcement of knowledge helpful and also very rewarding as I could see the relevance and importance of everything I was learning."

Emily Doyle
UCD Ad Astra Performing Arts Scholar, graduated 2015.



Radiography

BSc (Hons) (NFQ Level 8)

CAO Code **DN410**

CAO Points Range 2015 530—615

Length of Course 4 Years

Places 62

Entry Requirements
English • Irish • A third language • Mathematics • One laboratory science subject • One other recognised subject

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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Health Screening & Garda Vetting
See page 185

Why is this course for me?

Radiographers are responsible for producing high-quality images to assist in the diagnosis and treatment of disease. While radiography is a caring profession, it's also one that requires considerable technological and scientific expertise in both the production of images and the responsible delivery of ionising radiation. If you're interested in science and you want to use your knowledge to care for people, Radiography at UCD may be a perfect fit for you.

Our aim is to prepare graduate radiographers to meet the everyday challenges arising from ongoing advances in diagnostic imaging and healthcare.

What will I study?

Throughout this programme you'll undertake modules in Technology of Radiography, Practice of Radiography and Clinical Practice of Radiography.

First Year

Anatomy • Practice of Radiography • Introduction to Radiographic Technology • Clinical Placement • Clinical Applications of Radiation • Elective modules

Second Year

Anatomy • Physiology • Practice of Radiography • Imaging Technology • Elective modules • Clinical placement

Third Year

Advanced Practice of Radiography • CT/Ultrasound • Introduction to Research • Mechanisms of Disease • Elective modules • Clinical placement

Fourth Year

Practice of Radiography: Professional completion • Legal Medicine • Magnetic Resonance Imaging • Nuclear Medicine • Research project • Systematic Pathology • Erasmus opportunities • Clinical placement

Learning methods include lectures, small group tutorials, interactive demonstrations and hands-on clinical learning at UCD and our nationwide hospital network.

Assessment methods include practical skills-based exams, image-based tests, continuous assessment, report writing and oral presentations.

Professional Work Experience

Radiography will first be demonstrated in UCD's own imaging facilities before you progress to performing examinations on patients. Teaching hospitals also participate in your training and you'll work alongside radiography colleagues to learn and refine your professional skills.

Career & Graduate Study Opportunities

Diagnostic imaging is a growth area in Ireland and internationally. All graduates in the past five years have obtained employment as radiographers. As well as the traditional hospital-based career, some radiographers are employed as applications or sales specialists.

An increasing number of graduates are now undertaking PhD studies. Diagnostic imaging offers successful graduates exciting opportunities to pursue research and/or to develop specialist clinical skills.

International Study Opportunities

Erasmus opportunities exist in fourth year where you may spend a three-month period in one of our current partner institutions in Austria, Belgium, Finland, Greece, the Netherlands, Norway, Malta, Portugal, Slovenia, Sweden and the UK. Further elective opportunities to the USA are also available at various stages within the programme.

Other courses of interest

Physiotherapy →141
Science →90

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diagnostic.imaging@ucd.ie
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www.ucd.ie/**myucd/rad**

Studying UCD Radiography

Year 1 — Engage with the principles

- Practice of Radiography
- Technology of Radiography
- Radiography Clinical Practice
- Clinical Human Anatomy
- Science of Radiation

Years 2 & 3 — Refine your knowledge

- Practice of Radiography
- Technology of Radiography
- Radiography Clinical Practice
- Physiology & Disease Processes
- Research

Year 4 — Prepare for professional practice

- Practice of Radiography: Professional completion
- Research
- Pathology
- Optional international study abroad
- Radiography Clinical Practice

BSc Radiography (Honours)

Specialise through UCD graduate study

Taught Graduate Programmes

Professional Certificates

Forensic Radiography
IV Cannulation/Administration
Radiation Safety
Non-Accidental Injury
Intra-Orbital Foreign Body Screening
Dual Energy X-ray Absorptiometry
Paediatric Imaging
Child Protection

Graduate Certificates

Fertility Ultrasound
Interventional Radiography
Mammography
Obstetric Ultrasound
Paediatric Radiography
RIS/PACS Management

Graduate Diplomas

Computed Tomography
Magnetic Resonance Imaging

Master's (Taught & Research) & PhD

Themes include

Computed Tomography
Magnetic Resonance Imaging
Mammography
Medical Imaging Research
Child Welfare & Protection
Radionuclide/PET Imaging
Ultrasound

Radiographer

State Registration: CORU Radiographers Registration Board

CORU CPD requirements require evidenced activity and a broad range of appropriate CPD is advised for all radiographers on a continuing basis.

Shape your career with UCD Diagnostic Imaging

Career Opportunities

Clinical Specialist Radiographer
Radiography Services Manager
Clinical Practice Tutor
Lecturer
Researcher
Applications Specialist

Continue to develop your professional career with UCD...

Nursing & Midwifery

Nursing (General) 135

Nursing (Children's & General) 136

Nursing (Mental Health) 137

Midwifery 138

Do you love working with and for the benefit of people of all ages and from diverse backgrounds?

If you want a rewarding and respected career with great employment and travel opportunities, then nursing or midwifery could be for you. These are dynamic professions offering enormous variety and challenges, and you never stop learning.

At UCD, you will also have a unique opportunity to engage in hands-on clinical practice at one of our specialist partner hospitals, including St Vincent's Healthcare Group (incorporating St Michael's Hospital), the Mater Misericordiae University Hospital, the National Maternity Hospital, Our Lady's Children's Hospital and Saint John of God Hospital and also in a variety of other *IEHG clinical sites during the programme to meet the requirements of the professional body.

On successful completion of the programme, students will receive their UCD degree and be eligible for registration with the professional body, the Nursing and Midwifery Board of Ireland (NMBI).

Why UCD Nursing & Midwifery?

Developments in healthcare are transforming the roles of nurses and midwives, leading to new and exciting career opportunities. The UCD School of Nursing, Midwifery & Health Systems has developed innovative programmes to prepare our graduates to respond to these changes and to meet evolving patient-care needs in areas such as cancer care, palliative care, diabetes and emergency or critical care.

Our state-of-the-art facilities include top-class clinical skills laboratories with interactive video equipment, and you'll be guided by academics who are experts in their field. You will also gain vital clinical experience at our renowned clinical partner sites.

By choosing to study with us, you become part of a greater community of people working together, through practice, research and education, to shape the future of nursing and midwifery in Ireland and abroad.

Your First Year Experience

As a first year UCD student nurse or midwife you will receive all the support you need to enjoy your first taste of college life. From your first day on the programme you will be assigned a personal tutor, a member of academic staff who will give advice and support throughout your course. You will learn from experienced and helpful lecturers and support staff, develop your learning skills and discover how to make full use of information and computer technology. You will meet new friends, join in the many sports clubs and societies, and quickly adapt to college life.

You will learn how to become a professional. This will involve putting on a uniform and walking into a clinical area or maternity unit as a professional person, giving your first injection, recording a person's blood pressure, changing a wound dressing, helping a person in pain or distress, helping a woman in labour and, above all, feeling proud of yourself at the end of the year for having achieved so much.

***Ireland East Hospitals Group (IEHG)**

- Mater Misericordiae University Hospital
- St Vincent's University Hospital
- Midland Regional Hospital Mullingar
- St Luke's General Hospital, Kilkenny
- Wexford General Hospital
- National Maternity Hospital
- Our Lady's Hospital, Navan
- St Columcille's Hospital
- St Michael's Hospital, Dun Laoghaire
- Cappagh National Orthopaedic Hospital
- Royal Victoria Eye and Ear Hospital

Studying UCD Nursing or Midwifery

Year 1 — Engage with the principles

Biological Sciences	Social Sciences	Behavioural Sciences
CORE SUBJECT	CORE SUBJECT	CORE SUBJECT

Nursing or Midwifery Science

Clinical Practice — hospital & community

Years 2 & 3 — Develop your knowledge & skills for clinical practice

Biological Sciences	Social Sciences	Behavioural Sciences
CORE SUBJECT	CORE SUBJECT	CORE SUBJECT

Optional international study abroad (12 weeks)

Nursing or Midwifery Science

Clinical Practice — specialist hospital & community placements

Year 4 — Prepare for professional practice

Nursing or Midwifery Science

Clinical Practice — hospital placement including 36-week internship

BSc Nursing/Midwifery (Honours)

Higher Diploma

- Children's Nursing
- Midwifery

Specialise through UCD graduate study

Taught Graduate Programmes

- Professional Certificate
- Graduate Certificates
- Graduate Diplomas
- MSc (Nursing)
- MSc (Midwifery)

Research Degrees

- MSc (Research)
- Doctor of Nursing (DN)
- Doctor of Midwifery (DM)
- Doctor of Philosophy (PhD)

Registered General Nurse (RGN)

Registered Midwife (RM)

Shape your career with UCD Nursing or Midwifery

Career Opportunities

- Clinical Nurse/Midwife Specialist
- Clinical Nurse/Midwife Manager
- Nurse/Midwife Educator
- Advanced Nurse/Midwife Practitioner
- Researcher
- Lecturer

Continue to develop your professional career with UCD...

"I really can't emphasise enough how great it is to divide your time between a clinical and academic learning environment. You really do have the best of both worlds in UCD. The lecturers and my personal tutor were excellent."

Neasa Corkery Graduate

Nursing (General)

BSc (Hons) (NFQ Level 8)

CAO Code **DN450**

CAO Points Range 2015 415—550

Length of Course 4 Years

Places 164

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

Not applicable

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Why is this course for me?

Are you empathetic and reliable, a team player with good communication skills and an analytical, problem-solving mind? If so, Nursing in UCD is the ideal career choice for you. Our innovative degree programme is taught by experienced lecturers in a friendly and supportive environment, with state-of-the art facilities. It prepares you to become a professional nurse who can successfully manage the complex healthcare needs of the adult population.

What will I study?

You'll study the theory and practice of nursing in a fully integrated way, establishing a strong foundation for your future career. Your lectures, workshops and tutorials are delivered on our Belfield campus, while practice placements will enhance your learning and develop your nursing skills. Modules include:

First Year

Transition to University • Foundations of Nursing • Biosciences • Psychology • Practice experience in a hospital setting for approximately 10 weeks

Second & Third Year

Medical-Surgical Nursing Care • Pharmacology • Biopsychosocial Approaches to Health • Ethical and legal context for practice • Specialist clinical placements, such as intensive care and maternity care

Fourth Year

Promoting Health • Management & Quality Improvement • Evidence-Based Practice in Healthcare • Sociology • Clinical placement/internship

Assessment is through a combination of end-of-semester exams and continuous assessment, including assessment of performance on clinical placements.

Professional Clinical Experience

This takes place primarily in the St Vincent's Healthcare Group or the Mater Misericordiae University Hospital, and in numerous other clinical sites within the Ireland East network. These clinical placement locations are centres of excellence where you'll work with multidisciplinary teams to provide first-class, patient-centred care.

Career & Graduate Study Opportunities

Completing this degree qualifies you as a Registered General Nurse. You can work in acute and chronic care in a variety of medical and surgical settings. There are also career prospects for nurses to work in education, research or management, as well as excellent opportunities to build on your experience through work abroad.

In addition, you can pursue further studies at higher diploma, graduate diploma, master's and doctorate level.

International Study Opportunities

Second year offers the chance to study in Europe for a semester.

See **www.nmhs.ucd.ie/study-with-us/erasmus**.

Other courses of interest

Nursing (Mental Health) →137
Medicine →126

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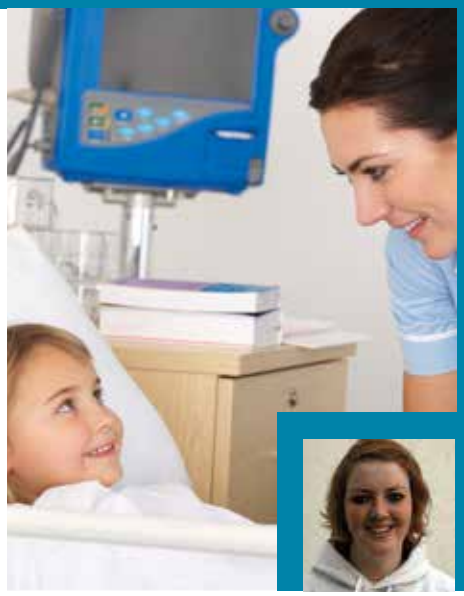
www.ucd.ie/**myucd/nursing**

Nursing (Children's & General)

BSc (Hons) (NFQ Level 8)



"I'm so happy I chose to study in UCD. It has such a fantastic student atmosphere, and brilliant facilities, societies and clubs. I've always known I wanted to work with children, and this course is perfect. With great staff members both in UCD and in the clinical areas it provides a wonderful learning opportunity in a friendly environment. The course has a good balance of clinical placement and lectures, providing both knowledge and practical experience. There are so many opportunities for me upon graduation, both in Ireland and abroad, and I'm excited for my future as a Registered Children's Nurse and a Registered General Nurse."

Molly O'Toole Student

CAO Code **DN451**

CAO Points Range 2015 490—540

Length of Course 4.5 Years

Places 30

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

Not applicable

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Other courses of interest

Nursing (General) →135

Nursing (Mental Health) →137

Medicine →126

www.ucd.ie/**myucd/nursing**

Why is this course for me?

Are you drawn towards helping adults and children, and making a difference to their lives while they're ill? Are you empathetic, resilient, reliable and a good communicator? Do you have an analytical, problem-solving mind? If so, this is the ideal career choice for you.

What will I study?

Modules of theory are followed by clinical placements. Experienced lecturers and practitioners will facilitate your learning in a friendly and supportive environment where you attend lectures, workshops and tutorials in our state-of-the-art facilities on Belfield campus. Clinical placements will help you to develop the required clinical competencies. Modules include:

First Year

Transition to University • Scientific Principles • Foundations of Nursing • Psychology • Interpersonal Skills • Practice experience in a hospital setting for approximately 14 weeks

Second & Third Year

Caring for Children and Adults with Medical-Surgical Problems • Pharmacology • Applied Social Science • Specialist clinical placements include maternity care and caring for people with an intellectual disability

Fourth Year

Health and well-being – a sociological context for nursing • Management & Quality Improvement • Evidence-Based Practice in Healthcare • Clinical placement/internship

Assessment is through a combination of end-of-semester exams and continuous assessment, including assessment of performance on clinical placements.

Professional Work Experience

The majority of clinical learning takes place in our affiliated partner hospitals, all of which are national specialist centres of clinical excellence: Our Lady's Children's Hospital, the Mater Misericordiae University Hospital and St Vincent's Healthcare Group.

Career & Graduate Study Opportunities

Completing this degree qualifies you as both a Registered General Nurse and a Registered Children's Nurse. Your future professional role can extend beyond clinical practice to encompass education, research and management. There are also excellent work and travel opportunities in Ireland and throughout Europe, North America, Australia and New Zealand. Your continuing professional education may also include studies at higher diploma, graduate diploma, master's and PhD level.

International Study Opportunities

You may have the opportunity to study in a choice of European locations for a semester between stages 2 and 4.

See **www.nmhs.ucd.ie/study-with-us/erasmus**.

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"I could not be happier with my decision to study mental health nursing. I am nearing the end of first year and I have loved every second of it. The academic side is challenging but the lecturers and personal tutors are a big support. Nevertheless what I absolutely adore is the clinical side. I love how we are immediately plunged into the hospital setting to put our theory into practice. Mental Health Nursing is not for the faint of heart but I would recommend this course to anyone with the desire to help other people."

Ejiro Emonina Student

Nursing (Mental Health)

BSc (Hons) (NFQ Level 8)

CAO Code **DN453**

CAO Points Range 2015 405—460

Length of Course 4 Years

Places 17

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

Not applicable

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Why is this course for me?

If you want to care for the psychological, social, physical and spiritual well-being of others, becoming a mental health nurse is the first step towards a highly rewarding career. This exciting degree prepares you to meet the mental health needs of adults and their families in the 21st century.

You'll learn to engage with those suffering mental distress or illness, as well as their families, in a positive and collaborative way, empowering them to cope and recover.

You will learn from lecturers and Registered Psychiatric Nurses who practise predominantly within Saint John of God Hospitaller and Cluain Mhuire Services.

What will I study?

You'll experience a variety of teaching methods as you establish a strong foundation in mental health nursing practice. These include role-play, small group discussions, workshop simulations and lectures. You'll undertake clinical and theory modules, including:

First Year

Transition to University • Foundations of Mental Health Nursing • Biosciences • Psychology • Nursing practice experience in a hospital setting for 10 weeks

Second & Third Year

Specialist Care Groups • Community Care • Therapeutic Interventions in Mental Healthcare • Specialist clinical placements, including substance misuse and child and adolescent psychiatry

Fourth Year

Promoting Health • Serious & Enduring Mental Illness • Extremes of Age in Mental Health • Management & Quality Improvement • Evidence-Based Practice in Healthcare • Clinical placement/internship

Assessment is through a combination of end-of-semester exams and continuous assessment, including assessment of performance on clinical placements.

Professional Clinical Experience

Clinical placements help you to apply theory to practice and to develop the required competencies for your degree.

Career & Graduate Study Opportunities

Qualifying is the beginning of an exciting and rewarding career, as it opens up opportunities for travel and work abroad. Career prospects in Ireland are also increasing. Due to the evolving role of mental health nursing in modern healthcare systems, many nurses now choose to specialise in areas such as addiction, forensics and child mental health. You can also pursue further specialist qualifications through graduate diplomas, and master's and PhD degrees.

International Study Opportunities

In second year you can study in Europe for approximately 12 weeks. See **www.nmhs.ucd.ie/study-with-us/erasmus**.

Other courses of interest

Nursing (General) →135
Nursing (Children's & General) →136
Midwifery →138
Medicine →126

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www.ucd.ie/**myucd/nursing**

"I am a mature fourth year student studying a BSc in Midwifery. It has been a hugely positive life-changing experience. The course is divided equally between academic time in UCD and clinical placement in the National Maternity Hospital. The support and guidance we receive from our personal tutors and lecturers are greatly beneficial. Taking on the course is a big commitment but I would thoroughly recommend the course to anyone considering it."

Deirdre Kane Student

Midwifery

BSc (Hons) (NFQ Level 8)

CAO Code **DN452**

CAO Points Range 2015 465—540

Length of Course 4 Years

Places 22

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

Not applicable

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

KEY FACT

Over 95% of our students who qualified in 2015 were immediately offered contracts of employment, allowing them to gain valuable experience as registered midwives.

Other courses of interest

Nursing (General)	→135
Nursing (Children's & General)	→136
Nursing (Mental Health)	→137
Medicine	→126

Why is this course for me?

From the moment a woman becomes pregnant, it's the start of a journey leading to one of life's greatest miracles: the birth of a baby. The term "midwife" means "with woman". Midwifery is a wonderful profession and if you're interested in working with women, their newborn babies and their families during pregnancy and childbirth, then midwifery is the career choice for you. The focus and philosophy of midwifery in UCD is the promotion of women-centred care.

What will I study?

The initial focus is on the foundational knowledge and skills required for midwifery practice. Each year these will be developed and strengthened through theory and practice. In your final year you'll also focus on professional issues. Modules include:

First Year

Transition to University • Foundations of Midwifery Practice • Anatomy, Sciences & Physiology • Psychology related to the profession of midwifery • Practice experience in a hospital setting for 10 weeks.

Second & Third Year

Midwifery Practice during Normal Pregnancy & Childbirth • Complications in Pregnancy & Childbirth • Caring for Sick Neonatal Babies

Fourth Year

Research, Leadership & Management • Developing Further Knowledge & Clinical Skills for Midwifery Practice • Clinical placement/internship

Assessment is through a combination of end-of-semester exams and continuous assessment, including assessment of performance on clinical placements.

Professional Clinical Experience

You'll attend clinical placements in the internationally renowned National Maternity Hospital (NMH) or a linked maternity unit in the Ireland East Hospital Group (IEHG) in order to gain first-hand experience. You may also choose a midwifery placement during second year in National Maternity Hospital - Holles St., Wexford General, Midland Regional Hospital Mullingar, St Luke's General Hospital, Kilkenny. You can also avail of a placement with the community midwives from either the NMH or Wexford General Hospital.

Career & Graduate Study Opportunities

Successful completion of your degree entitles you to register as a Registered Midwife (RM)* with The Nursing and Midwifery Board of Ireland (NMBI). On registration, numerous career opportunities are available to you in both hospital and community settings in Ireland and abroad, including Europe, Australia and New Zealand. You can also pursue further specialist qualifications through graduate diplomas, and master's and PhD degrees.

*Registration in Ireland does not automatically provide a licence to practise abroad.

Studying at UCD far outweighed my expectations. We receive a lot of support from the college and the teaching hospitals, the facilities are second to none, and the small class size has meant that the lecturers have been more available to share their knowledge and help us to reach our goals.

Jean Doherty Student

www.ucd.ie/**myucd/nursing**

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Physiotherapy

As a qualified UCD physiotherapist, you will be in a position to pursue one of the most rewarding of careers. You will provide services to people to develop, maintain and restore their maximum physical health and movement, and ultimately improve their quality of life.

Why UCD Physiotherapy?

The full-time UCD BSc Physiotherapy degree programme is fully accredited by the Irish Society of Chartered Physiotherapists. As a student of Physiotherapy at UCD, you will benefit from the modern and progressive facilities at the School itself, as well as the UCD Institute for Sport and Health. The Institute includes two state-of-the-art research laboratories where you can comprehensively study the physiological and biomechanical analysis of human performance in health and sport.

In our fully equipped clinical skills laboratories, you will also benefit from clinical teaching in small groups, where you will acquire skills under the tuition of highly qualified staff. In addition to campus-based learning, you will gain practical hands-on experience through clinical placements in UCD teaching hospitals and other clinical centres throughout Ireland. There are opportunities to study abroad for a semester, as part of an Erasmus exchange programme, and to undertake clinical placements in Europe, Africa, the USA, Canada, South America, Australia and New Zealand.

Your First Year Experience

Your first year in Physiotherapy will cover a broad spectrum of basic, applied and clinical sciences. These modules will provide you with the core knowledge you require for your degree course. You can also choose elective modules which give you the freedom and flexibility to explore other areas that interest you.

During first year the teaching takes place mainly in the UCD Health Sciences Centre. While lectures take place in large groups, all hands-on practical physiotherapy classes are in small groups in the specially designed clinical skills laboratories. Towards the end of the year you will have the opportunity to spend time in a clinical setting, where you can put theory into practice.

This is also the ideal time to join some of UCD's many clubs and societies, and experience everything that university life has to offer.

Studying UCD Physiotherapy

Year 1 — Engage with the principles

- Anatomy & Kinesiology
- Physiology
- Basic Physiotherapy Professional Practice
- Physics & Biomechanics
- Chemistry/Biochemistry
- Exercise

Years 2 & 3 — Refine your knowledge

- Neurology
- Musculoskeletal
- Cardiorespiratory
- Applied Physical Agents
- Biomechanics
- Clinical Skills
- Intermediate Physiotherapy Professional Practice
- Exercise
- Psychology/Sociology
- Research

Year 4 — Professional practice

- Clinical Specialities & Pain
- Pharmacology
- Sports Exercise Physiotherapy
- Optional International Professional Practice Abroad
- Advanced Physiotherapy Professional Practice
- Legal Medicine
- Research Project

BSc Physiotherapy (Honours)

Specialise through UCD graduate study

Taught Clinical Specialist Programmes

- MSc/Graduate Diploma in Neuromusculoskeletal Physiotherapy
- MSc/Graduate Diploma in Sports Physiotherapy
- MSc/Graduate Diploma/Certificate in Advanced Physiotherapy Studies

Research

- MSc
- PhD

Eligibility for registration as a Chartered Physiotherapist

Shape your career with UCD Physiotherapy

Career Opportunities

- Public Health Service
- Private Practice & Hospitals
- Sport & Leisure
- Industry
- Health Promotion
- Education & Research
- Non-Governmental Agencies

Continue to develop your professional career with UCD...

"I chose to go to UCD because of its variety of subjects, both within my chosen course and in languages and music through *UCD Horizons*, and the range of clubs and sports available. The UCD Physiotherapy programme is being continuously improved and student feedback is actively encouraged, which resulted in a very positive academic experience that was student oriented. I had the opportunity to complete a clinical placement in Canada, and to work as a student physiotherapist at the Dublin City Marathon and with UCD sports teams."

Aileen Murray Graduate

Physiotherapy

BSc (Hons) (NFQ Level 8)

CAO Code **DN420**

CAO Points Range 2015 **545—615**

Length of Course **4 Years**

Places **56**

Entry Requirements

English • Irish • A third language • Mathematics • One laboratory science subject • One other recognised subject

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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see entry requirements and page 188

Health Screening & Garda Vetting

See page 185

Why is this course for me?

This course leads to one of the most rewarding careers in healthcare: Chartered Physiotherapist. Physiotherapy is the study and application of the scientific knowledge and professional skills required for the promotion of optimal health and well-being of adults and children through physical means. In addition to UCD-based learning you'll spend over 1,000 hours on supervised clinical education in hospitals and clinical centres throughout Ireland and abroad (optional). UCD's full-time BSc Physiotherapy degree is accredited by the Irish Society of Chartered Physiotherapists, and will appeal to students who enjoy science and caring for people.

What will I study?

This is an overview of the modules in the programme, progressing from the basic and applied sciences in first year, to clinical skills in second and third year, and preparation for professional practice in fourth year.

First Year

Anatomy • Physiology • Physics • Biomechanics • Introduction to Professional Physiotherapy Practice • Exercise Science • Elective modules

Second Year

Basic Musculoskeletal, Cardiorespiratory & Neurological Physiotherapy • Psychology • Physiotherapy Clinical Education • Elective modules

Third Year

Intermediate Musculoskeletal, Cardio-respiratory & Neurological Physiotherapy • Clinical Exercise • Physiotherapy Clinical Education • Sociology

Fourth Year

Professional Physiotherapy Practice • Clinical Specialties • Sports Physiotherapy • Physiotherapy Clinical Education • Pharmacology • Elective modules • Dissertation

Physiotherapy students have, on average, a 35-hour week. In first and second year you'll spend your time attending lectures and practical classes. In third and fourth year the focus is on clinical education and advanced physiotherapy skills.

A wide variety of assessment methods is used, including continuous assessment, reflective writing, practical examinations, oral examinations, presentations and end-of-semester written papers.

Career & Graduate Study Opportunities

Graduates in Physiotherapy have found employment in different roles across the world, in:

Hospitals and private practice • Primary care • Rehabilitation centres and nursing homes • Non-governmental organisations (e.g. GOAL, Concern) • Education • Business, sport and leisure industries

Graduates can also apply for a range of disciplinary and general graduate taught (graduate certificate, diploma and MSc) and research (MSc and PhD) programmes in Ireland and abroad.

International Study Opportunities

These currently include Erasmus programme opportunities in third year with Université catholique de Louvain, Belgium, as well as elective placement opportunities in fourth year in Europe, Africa, the USA, Canada, South America, Australia and New Zealand.

Professional Work Experience

You'll complete over 1,000 hours of supervised clinical placements in Ireland, at our partner teaching hospitals, primary care clinics and specialist centres. There are elective placements in fourth year (see International Study Opportunities above).

Other courses of interest

Health & Performance Science →144
Medicine →126
Biomedical, Health & Life Sciences →129
Nursing (General) →135

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www.ucd.ie/**myucd/physio**

Sport & Performance

Health & Performance Science 144

Sport & Exercise Management 145

Do you have a passion for sport? Do you want to work in an exciting global industry?

If so, UCD is the place to transform your personal interests into a rewarding career. From training athletes and improving fitness, through to managing sports organisations or working in marketing and sponsorship, you will find a Sport & Performance programme to match your aspirations.

Why UCD Sport & Performance?

The sport, health, exercise and performance fields of study can lead to a range of exciting career paths. These include running international sports federations, supporting elite athletes, inspiring children to participate in physical activities and working alongside other professionals to improve individual lifestyles.

The innovative Sport & Performance programmes at UCD allow you to specialise in sport, exercise and coaching management, or in health and human performance. With the ever-increasing popularity of sport and growing concerns about lifestyle diseases, there has never been a better time to study Sport & Performance.

Your First Year Experience

As a UCD student of Sport & Performance, you will benefit from studying in small, customised programmes that offer excellent access to internationally recognised lecturing staff and tailored support services. You will study a broad cross-section of foundation and specialist modules, which provide a comprehensive introduction to the field of sport and equip you with the skills and knowledge to succeed in your university studies.

Peer Mentors ensure you are supported through your first year and, with 55 sports clubs and almost 100 societies for you to choose from, UCD is certainly the place for you to kick-start your new profession.

Studying UCD Sport & Performance

Year 1 — Engage with the principles

Marketing & Management of Sport	Anatomy & Kinesiology	Exercise Physiology
Cultural & Legal Foundations of Sport & Development	Academic & Information Technology Skills	Chemistry & Biochemistry

Year 2 — Apply knowledge base

Economic, Event & Strategic Management of Sport	Physiology, Fitness & Biomechanics Testing	Sports & Exercise Psychology
Sports, Coaching or Exercise Management	Work Placement in Ireland or Abroad	Strength & Conditioning

Optional Study Abroad experience in the USA, Canada or Australia and New Zealand

Year 3 — Specialise

Sport & Exercise for Health & Special Populations	Research Methods Independent Research Project	Biomechanics & Injury Management
Sports, Coaching or Exercise Management	Physical Activity, Health & Nutrition	Exercise Physiology & Exercise Performance

Degree (Honours)

BSc Sport & Exercise Management | BSc Health & Performance Science

Specialise through UCD graduate study

Taught Graduate Programmes

- MSc Sports Management
- MSc Coaching Science in Sport

Research Degrees

- MSc Sports Studies
- MSc Health & Performance Science
- PhD

Sport & Exercise Manager
Sport & Exercise Scientist

Professional Accreditation

Shape your career with UCD Sport & Performance

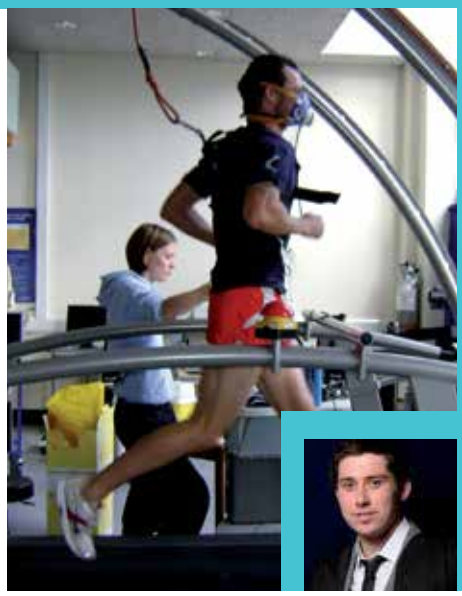
Career Opportunities

- Sports Development Officer
- Fitness Professional
- Facility/Operations Manager
- National/International Governing Bodies
- Exercise Physiologist
- Health Promotion
- Sport & Exercise Consultancy
- Education & Research
- Professional Athlete/ Team Sport & Exercise Science Support

Continue to develop your professional career with UCD...

Health & Performance Science

BSc (Hons) (NFQ Level 8)



"I chose to go to UCD because of the opportunity to merge my sporting commitments (Airtricity League Soccer) with my interest in sport, physical health and exercise science. The BSc Health & Performance Science degree allows me to develop a critical awareness of the scientific principles underlying the optimisation of sporting performance. The emphasis on laboratory-based work is refreshing and we've had access to the excellent facilities in the UCD Institute for Sport & Health, for modules in exercise physiology and strength and conditioning. I would definitely recommend this course to anyone with an interest in these areas."

Thomas Boyle Student
Thomas is a UCD Ad Astra Elite Athlete Scholar.

CAO Code **DN425**

CAO Points Range 2015 **500—565**

Length of Course **3 Years**

Places **40**

Entry Requirements
English • Irish • A third language • Mathematics • One laboratory science subject • One other recognised subject

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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Other courses of interest

Physiotherapy →141
Sport & Exercise Management →145
Biomedical, Health & Life Sciences →129

www.ucd.ie/**myucd/sportperformance**

Why is this course for me?

Health & Performance Science focuses on the scientific principles underlying the promotion and enhancement of sport, physical health and exercise. This BSc degree addresses the application of sport and exercise science to high performance sport and to improving physical health, well-being and fitness across our life span. If you have a particular interest in how sport and exercise science can be applied across numerous disciplines, ranging from adolescents and elite athletes to specific disease populations, then this degree is for you. The programme places a large emphasis on practical skill-based teaching, giving students the opportunity to engage in active learning. This develops critical competencies in analysis, evaluation and testing.

What will I study?

Modules studied on the Health & Performance Science degree include:

First Year

Anatomy • Chemistry • Biochemistry • Physics • Exercise Physiology • Theory of Coaching • Strength & Conditioning

Second Year

Exercise Physiology • Sports Psychology • Biomechanics • Sports Nutrition • Research Methods • Exercise Prescription

Third Year

Exercise Physiology • Sports Injury Management • Sports Nutrition • Statistics • Case Study in Sports Science • Exercise Prescription • Minor dissertation (research project)

Students attend lectures and small group practical classes. Practical classes take place in both the UCD High Performance Gym and an exercise physiology laboratory, which is British Association of Sport and Exercise Sciences (BASES) accredited.

Assessment is through a combination of end-of-semester written examinations and continuous assessment. In your final year, you'll also undertake a group-based research thesis.

Career & Graduate Study Opportunities

When you graduate you'll be skilled in the prescription and management of therapeutic exercise interventions in healthcare and sporting settings. You'll also be an expert in the analysis and evaluation of human sports and exercise performance. Graduates can find employment in:

- Sport and exercise consultancy
- Health promotion
- Professional athlete or team support
- Exercise physiology
- Strength and conditioning
- Education and research

They are also eligible to apply for MSc and PhD programmes in the UCD School of Public Health, Physiotherapy & Sports Science.

International Study Opportunities

Health & Performance Science students can apply to study abroad for a semester in the USA, Canada, Australia and New Zealand, through one of the Sport & Exercise exchange agreements.

Linda Stone
UCD Institute for Sport & Health
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"Studying Sport & Exercise Management at UCD was one of the best decisions I have made. The multidisciplinary course allowed me to explore different aspects of sports management, and the first year provided an excellent basis for working within any area of the sports industry. I appreciated being able to concentrate on a specific area of interest in second year, such as exercise management, and the work placement was an invaluable way of gaining first-hand, practical experience of my chosen career. On campus, lectures and assignments improved my interpersonal communication skills, which taught me how to work effectively in groups and encouraged me to take my own initiative and develop my leadership skills. This course has prepared me to be an effective manager within the sports industry whilst also preparing me to continue with my studies."

Ruth Whelan Student

UCD Student Ambassador, Richard Skelly, training with UCD Boat Club on the River Liffey at Islandbridge

Sport & Exercise Management

BSc (Hons) (NFQ Level 8)

CAO Code **DN430**

CAO Points Range 2015 440—500

Length of Course 3 Years

Places 40

Entry Requirements

English • Irish • A third language • Mathematics (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

No

Mature Entry Route

Yes, see page 188

Why is this course for me?

The multidisciplinary nature of the BSc in Sport & Exercise Management equips students with skills in areas such as management, marketing, event planning, human resources, economics and finance, sports development and coaching. These underpin the structure and governance of sport, health and exercise programmes today. If these opportunities interest you, the combination of UCD's internationally recognised academic excellence and sporting reputation makes this degree ideal.

What will I study?

The programme offers a progressive pathway for students to specialise in second and third year. Modules include:

First Year

Sports Development • Theory of Coaching • Sports Legislation • Sports Marketing • Financial Management • Sports Management • Introduction to Exercise Science

Second Year

Event Management (including a practicum) • Economics of Sport • Sport/Health Psychology • Strategic Planning • Human Resource Management

Students specialise in one of the following:

Sports management • Exercise management • Coaching management

Work Placement

Students undertake a 10-week structured work placement either in Ireland or abroad during the summer following second year. This provides invaluable practical and networking experience, which will improve employment prospects upon graduation.

Third Year

Students study both core modules and their selected specialisation. They also undertake an individual research project or dissertation which imparts critical skills in project design and management, in response to current issues within the broader sports industry.

Students spend an average of 40 hours per week attending lectures, studying independently and preparing for assessment.

A combination of end-of-semester exams, research papers, group projects, presentations, practical experiences and in-class tests are used throughout this programme.

Career & Graduate Study Opportunities

Our graduates have a track record of employment, both nationally and internationally, in:

- Sports administration
- Sports marketing
- Event management
- Exercise management
- Private sports enterprises
- Sports development
- Coaching development

Further education opportunities are available on MSc and other graduate programmes.

International Study Opportunities

Sport & Exercise Management students can apply to study abroad for a semester in the USA, Canada, Australia and New Zealand, through one of the Sport & Exercise exchange agreements.

Other courses of interest

Health & Performance Science	→144
Physiotherapy	→141
Social Science	→65
Commerce	→84

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www.ucd.ie/**myucd/sportperformance**

Architecture and Landscape Architecture lie at the heart of innovation and development. If the combination of art and science inspires you, and you are interested in designing buildings or planning the outdoor environment, then Architecture or Landscape Architecture will unleash your creative potential. UCD has the widest range of facilities in Ireland, and the most established and respected courses to ensure that you achieve that potential.

Architecture

Architecture	149
Landscape Architecture	150
Planning, Geography & Environment	151
Structural Engineering with Architecture	162

Why UCD Architecture/ Landscape Architecture?

UCD Architecture is Ireland's longest-established and most prestigious architecture course. It is the only course of architecture in Ireland that is accredited by the recognised professional institutes of both Ireland (Royal Institute of the Architects of Ireland – RIAI) and the United Kingdom (Royal Institute of British Architects – RIBA). The School of Architecture is also pursuing accreditation with the National Architectural Accrediting Board (NAAB) in the USA.

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 Architecture (IFLA-Europe).

Our programmes are taught in unique facilities in the Richview/Newstead buildings on the Belfield campus. These include design studios, which are at the heart of both programmes, a well-equipped workshop and building laboratory, exhibition spaces and the best architectural library in the country.

The studio programmes are largely taught by practising architects and landscape architects. These include many of the leading figures in their profession, whose work is widely recognised in national and international competitions and awards, such as the 2015 Royal Gold Medallist recipients Sheila O'Donnell & John Tuomey.

Your First Year Experience

On entering first year you will be introduced to the idea of learning by doing. From the outset, there is a very direct relationship between acquiring knowledge and skills, and applying them. Short exercises are set in the studio to help you acquire skills of observation, analysis and understanding through the media of freehand drawing and model making. 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.

You will be involved in creative endeavour – proposing, testing and developing design ideas. In fostering this creativity, there is a strong emphasis on group work and learning from your fellow students in a friendly and co-operative environment. Small class sizes, open-space studios, individual and small group tutorials all contribute to an exhilarating educational first year experience.

Studying UCD Architecture

Year 1 — Engage with the principles

Architectural Design — Studio-based learning

- History & Theory of the Designed Environment
- Architecture & its Environment
- Architectural Technologies
- Theory & Design of Structures
- Into Practice

Years 2 & 3 — Refine your knowledge

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

BSc (Architectural Science) (Honours)

Optional Year Out – Experience the world of work

Years 4 & 5 — Achieve mastery of your practice

- Design Technologies
- Research & Innovation in the Designed Environment
- Professional Studies
- International study abroad options
- Architectural Design
- Research Dissertation
- Reflective Portfolio
- Master's Design Thesis

MArch (Honours)

Specialise through UCD graduate study

Master's (MArchSc – Taught/Research) & PhD

- Sustainable Building Design & Performance (taught)
- Conservation & Heritage (taught)
- Urban Design (taught)
- Landscape Studies (taught)
- Irish and European Landscape and Urbanisation (research)
- History and Theory of Architecture (PhD)

Diploma in Professional Practice

Professional Architect

Shape your career with UCD Architecture

Alternative Careers

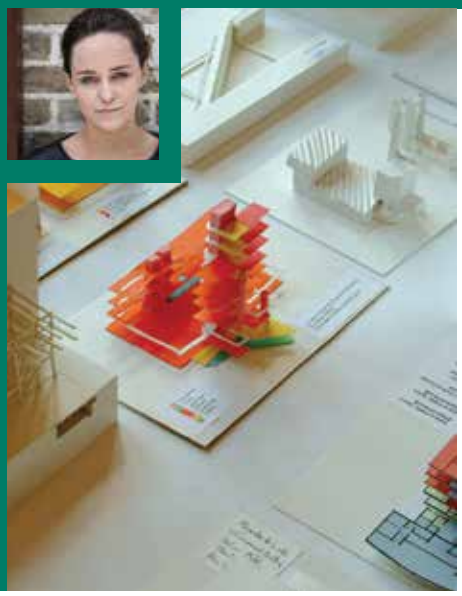
- Conservationist
- Designer
- Graphic Designer
- Heritage Site Manager
- Lecturer
- Planning Adviser
- Project Manager
- Researcher

Continue to develop your professional career with UCD...

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.

"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."

Jennifer O'Donnell Graduate



Architecture

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

CAO Code **DN100**

CAO Points Range 2015 490—600

Length of Course 3 Years (BSc)(Hons) + 2 Years (MArch)

Places 56

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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

UCD Architecture is at the forefront of architectural and urban design, both in Ireland and internationally. It plays a central role in society, leading innovation and development on every scale. The Architecture course at UCD offers a means to engage creatively and constructively with society. 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. The design process is central to Architecture, harnessing the mind's analytical and creative powers to produce innovative solutions to everyday and future challenges.

What will I 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 & Graduate Study 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
- Heritage site management
- Landscape
- Cultural and artistic practice
- Curatorial work

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

- Sustainable Building Design & Performance
- Urban Design
- Conservation & Heritage
- Landscape Architecture & Landscape Studies
- Irish and European Landscape and Urbanisation (Research)
- History and Theory of Architecture (PhD)

International Study Opportunities

Opportunities to date have included:

- University of Sydney, Australia
- Kungl Tekniska Hogskolen Stockholm, Sweden
- University of British Columbia, Vancouver, Canada
- National University of Singapore
- Technische Universität München, Germany
- University of California, Berkeley, USA

KEY FACT

We are the only college in Ireland with dual accreditation from both RIAI & RIBA, we are actively pursuing accreditation from the USA Body NAAB.

Other courses of interest

Landscape Architecture →150

Structural Engineering with Architecture →162

UCD Engineering & Architecture Programme Office
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facebook.com/**UCDEngArch**

www.ucd.ie/**myucd/arch**

Landscape Architecture

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

"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."

Colin Torpay Graduate

CAO Code **DN120**

CAO Points Range 2015 325—465

Length of Course 4 Years (BSc) (Hons)

Places 24

Entry Requirements
English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

KEY FACT
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 Architecture [IFLA-Europe].

Other courses of interest

Architecture	→149
Planning, Geography & Environment	→151
Forestry	→181
Horticulture, Landscape & Sportsturf Management	→182

www.ucd.ie/**myucd/arch**

Why is this course for me?

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 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 architects 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.

What will I study?

The design studio is central to Landscape Architecture. You'll spend most of your time in the studio, pursuing individual and small group project work. You'll 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.
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. 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 work experience, graduates sit the Irish Landscape Institute professional exams, which lead to full professional membership of the ILI. (See **www.irishlandscapeinstitute.com**).

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.

International Study Opportunities

We encourage students to gain international experience and many of our students study abroad as part of this programme.

UCD Engineering & Architecture Programme Office
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"I studied Geography and Sociology in Trinity College Dublin, before coming to UCD to complete a Master's of Regional & Urban Planning. Having spent a short period of time as a practising planner I returned to UCD and completed my PhD in Planning. I undertake research on planning, communities and regeneration, and I am a member of the Irish Planning Institute, which is one of the main professional planning institutes."

Dr Paula Russell Lecturer

Planning, Geography & Environment

BA (Hons) (NFQ Level 8)

CAO Code **DN514**

CAO Points Range 2015 370—445

Length of Course 3 Years
(+ 1 Year Master's programme)

DN514 Places 25

Entry Requirements
English • Irish • A third language • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
None

Mature Entry Route
Yes, see page 188

Why is this course for me?

If you are interested in both the built and natural environment, and how human actions affect the environment, a degree in Planning, Geography & Environment offers you a unique opportunity to further your interests. The degree integrates subjects that will deepen and broaden your understanding of environmental, social and economic issues, and set these in a practical policy context.

A degree in Planning, Geography & Environment provides you with strong analytical skills, as well as the ability to think critically about urban and rural development and environmental issues. This degree provides the first steps to pursuing a career as a professional planner, urban designer or environmental policy expert.

What will I study?

The degree in Planning, Geography & Environment includes modules in:

First Year
Introduction to Spatial Planning • Environmental Change & Policy • History of Planning • Urban & Rural Form • Earth Systems

Second Year
Local & Community Planning • Geographical Information Systems • Planning & Development Case Studies • Urban & Regional Economics

Third Year
Urban & Rural Design • Transport Planning • Housing & Neighbourhood Planning • Rural Landscape Planning & Environments • Planning System & Public Policy

The modules are delivered in a variety of formats, including lectures, labs and studios. They comprise individual and team-based work and assessment, as well as end-of-semester examinations.

Career & Graduate Study Opportunities

The final step towards your career as a planner is to complete a one-year specialist master's in planning in UCD: the Master of Regional & Urban Planning, the MSc in Urban Design and Planning or the MSc in Environmental Policy. This will ensure you gain the necessary professional accreditations, including that of the Irish Planning Institute and the Royal Town Planning Institute.

Graduates find employment in:

- Government and local authorities
- Planning and environmental consultancies
- Local and regional development organisations
- Private companies (marketing/location/ real estate/infrastructure)
- Non-governmental organisations (environmental/heritage/ international development)

International Study Opportunities

Erasmus opportunities present an exciting range of choices for study abroad, including:

- Université Joseph Fourier, Grenoble, France
- University of Barcelona, Spain
- City University of Hong Kong, Hong Kong
- University of Connecticut, USA
- University of Cagliari, Sardinia

KEY FACT
The degree is accredited by the Royal Town Planning Institute (RTPI). In order to gain full recognition by the RTPI you must complete an accredited one-year specialist master's degree in planning.

Other courses of interest

Geography	→47
Architecture	→149
Landscape Architecture	→150
Civil Engineering	→158
Agri-Environmental Sciences	→178

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As an engineer, you will make a real difference in the world and be responsible for leading the way in finding solutions to real problems. Will you develop alternative or new sources of energy, invent life-saving medical devices or create new modes of communication? UCD Engineering offers a particularly wide range of engineering specialisations, from the traditional disciplines to new ones such as Biomedical Engineering and Energy Systems Engineering.

Engineering

Engineering 154
Biomedical Engineering 156
Chemical & Bioprocess Engineering 157
Civil Engineering 158
Electrical Engineering 159
Electronic Engineering 159
Energy Systems Engineering 160
Mechanical Engineering 161
Structural Engineering with Architecture 162

Why UCD Engineering?

At UCD, we provide a first-class education across our engineering disciplines which are variously accredited by Engineers Ireland, the Institution of Chemical Engineers (IChemE) and the Institute of Materials, Minerals and Mining (IoM3). Whatever the specialisation, we place considerable emphasis on the mastery of analytical skills and the use of quantitative methods. Study is based on solid mathematical, scientific and engineering principles. Essentially these are the fundamentals of engineering and they will enable you to navigate successfully through the challenges you will face in your future career. We work with industry to ensure that our programmes produce graduates who are highly skilled and trained to address the problems that organisations and society face. This, coupled with the fact that our lecturers are experts in their fields, makes UCD the first choice for anyone interested in engineering.

Your First Year Experience

Your first year in Engineering at UCD will see you immersed in a completely new life from both an educational and a social perspective. Educationally, the first year is a common year which allows you gain an understanding of the many engineering disciplines available, before you specialise. This year will be spent intensively learning and discovering how to solve problems through physics, chemistry and mathematics, as well as gaining exposure to engineering subjects such as mechanics, energy engineering, creativity in design and electronic or electrical engineering.

At the end of first year you will be presented with information about the various specialisations, and given advice to guide you in making the right decision when choosing your engineering pathway.

Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 9)
or BE (Hons) (NFQ Level 8)

"If you have an enquiring mind, a desire to innovate and develop solutions to problems that have real social, societal and economic impact, you will find an engineering education both stimulating and rewarding. At UCD, we offer the widest possible choice of engineering disciplines and are committed to the on-going development of both discipline specific and interdisciplinary teaching and research. Whether your interests lie in agri-food, business, communications, energy, healthcare, materials, pharmaceuticals, physical infrastructure, transport or water there is an option within UCD Engineering that will suit you.

With international leaders in the fields of engineering, the programmes will provide you with core knowledge in the subject, an expectation of attaining excellence and the development of your capacity for independent and creative thinking, problem solving and leadership in your chosen speciality."

Professor David FitzPatrick Dean of Engineering

CAO Code **DN150**

CAO Points Range 2015 **500 — 625**

Length of Course **3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)**

DN150 Places **250**

Entry Requirements

English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Studying Engineering at UCD

At UCD Engineering we provide a rigorous education in the fundamental engineering subjects and help you to develop problem-solving and design skills based on maths and physics. As a UCD Engineering student you will enrol in a common first year, which allows you to gain an understanding of the many different engineering disciplines available, before being offered an unrestricted choice of specialisation, subject to health and safety based capacity constraints. We have the widest range of degree choices in the country and, after completing this common first year, you can choose your second year pathway from one of the following:

- Biomedical Engineering
- Chemical & Bioprocess Engineering
- Civil Engineering
- Electrical or Electronic Engineering
- Mechanical Engineering
- Structural Engineering with Architecture

Your chosen area of specialisation in second year will also offer routes to further branches of engineering at a Masters level. The range of study and career opportunities that can be accessed through our bachelor's and master's degree options is illustrated on the diagram on page 155. You can choose a Bachelor of Engineering Science, BSc [3 years], a Bachelor of Engineering, BE [4 years] or a Master of Engneering, ME [5 years].

Since 2013, the educational standard for the professional title of Chartered Engineer (Engineers Ireland) has been an accredited master's degree programme in engineering or equivalent. The BE degree (four years) in Chemical & Bioprocess Engineering is accredited at the master's level by the Institution of Chemical Engineers (IChemE) and satisfies the educational standard for the professional title of Chartered Engineer (IChemE).

Career & Graduate Study Opportunities

A world of opportunity awaits you as a UCD Engineering graduate and, as our programmes are professionally accredited, they are fully recognised internationally.

You'll be able to establish a career in many sectors, including:

Energy/clean technology • Infrastructure • Healthcare • Food • Information and communications technology • Business • Research • Education

You'll be equipped with a mindset and skills that will make you an asset to any employer. The Engineering education offered by UCD is recognised by the world's top companies. In addition to our wide range of BE degrees, UCD has numerous graduate programmes including taught master's degrees with specialisations in:

- Biomedical Engineering
- Biosystems & Food Engineering
- Chemical and Bioprocess Engineering
- Civil, Structural & Environmental Engineering
- Electrical Energy Engineering
- Electronic & Computer Engineering
- Energy Systems Engineering
- Engineering with Business
- Mechanical Engineering
- Materials Science & Engineering
- Structural Engineering with Architecture

There are also research programmes available to students at both master's and PhD level.

KEY FACT

All of the ME Programmes have an embedded internship element

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Studying UCD Engineering

Year 1 — Explore your options

Physics	Chemistry	Mathematics	
Energy Engineering	Mechanics	Electrical/Electronic	Creativity in Design
Energy Challenges	Understanding Digital Devices	Biosystems Design Challenge	Introduction to Civil & Environmental Engineering

Years 2 & 3 — Choose your pathway

Chemical & Bioprocess	Civil	Electrical/Electronic	Mechanical	Biomedical	Structural Engineering with Architecture

Optional Study Abroad

Years 4 & 5 — Focus on your area(s) of specialisation

Graduate with a Bachelor of Engineering

BE (4 years) Bachelor of Engineering

- Biomedical
- Chemical & Bioprocess*
- Civil
- Electrical
- Electronic
- Energy Systems
- Mechanical

ME (5 years) Master of Engineering

- **Biosystems & Food Engineering
- Biomedical
- Chemical & Bioprocess Engineering
- Civil, Structural & Environmental
- Electrical Energy
- Electronic & Computer
- Energy Systems
- Engineering with Business
- Materials Science & Engineering
- Mechanical
- Structural Engineering with Architecture
- **Professional Work Experience**

Graduate with a Master of Engineering

Specialise through UCD graduate study

Taught & Research Master's

- Biopharmaceutical Engineering
- Chemical Engineering
- Electronic & Computer Engineering
- Engineering Management
- Environmental Technology
- Food Engineering
- Materials Science & Engineering
- Structural Engineering
- Sustainable Energy & Green Technologies
- Water, Waste & Environmental Engineering

Doctor of Philosophy (PhD) Engineering

Research & Academia

Shape your career with UCD Engineering

Professional Engineer in your chosen discipline with careers in:

- Design
- Environment
- Manufacturing
- Construction
- Information & Communications Technology (ICT)
- Energy
- Healthcare
- Food
- Pharmaceuticals
- Business & Media
- Management
- Finance
- Education
- Research & Academia

Continue to develop your professional career with UCD...

*The 4-year BE degree in Chemical & Bioprocess Engineering is accredited by the IChemE as satisfying the academic requirement for registration as a Chartered Chemical Engineer.

**The ME Biosystems and Food Engineering is accessible from all Engineering Pathways.

Biomedical Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 9)
or BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 **500 — 625**

Length of Course **3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)**

DN150 Places **250**

Entry Requirements

English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

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

Mature Entry Route

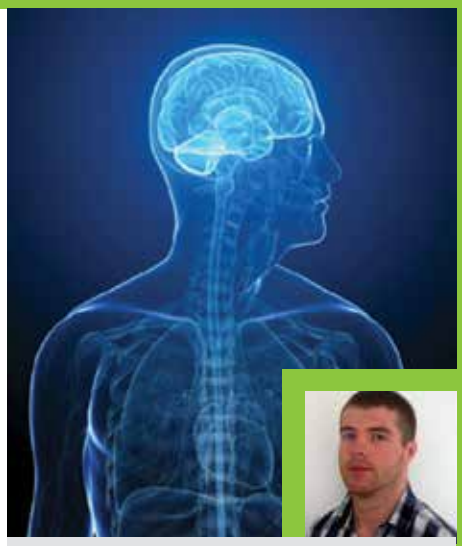
Yes, see page 188

Special Entry Recommendations

It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Other courses of interest

Engineering	→154
Electrical/Electronic Engineering	→159
Mechanical Engineering	→161
Medicine	→126



Deep Brain Stimulation - DBS

"UCD's degree in Biomedical Engineering offers the best possible stepping stone towards a vibrant career in the bioengineering sector. As a student you will experience first-hand medical device engineering with companies in Ireland and abroad and the subjects you will study range from mechanical engineering to anatomy to electronic engineering. My degree in Biomedical Engineering has offered me the springboard to a career with Boston Scientific, a medical device multinational in Silicon Valley, California – the heart of innovation and technology."

Marc Feeley Graduate

Why is this course for me?

Biomedical Engineering involves the application of traditional engineering principles to healthcare and medicine. We can think of the brain and nervous system as a large communication system which co-ordinates and transmits signals around the body, and the organs and limbs as sophisticated engineering systems that control functions such as movement, respiration and blood flow.

UCD Biomedical Engineers are educated with a strong foundation in electrical/electronic and mechanical engineering, which is complemented by an understanding of physiology and anatomy. This foundation is applied to problems in medicine and healthcare in specialised modules such as Biomechanics, Medical Device Design, Neural Engineering, Rehabilitation Engineering and Cell Culture & Tissue Engineering. If you are interested in developing new medical techniques, systems and devices, and you want to be involved in the breakthroughs that are improving the healthcare system for doctors and patients every day, then this is the course for you.

What will I study?

First Year

Engineering students follow a common first year. Modules include:

Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second to Fifth Year

Sample modules for Biomedical Engineering students include:

Bioinstrumentation • Biomechanics • Biomaterials • Neural Engineering • Nanomaterials • Cell Culture & Tissue Engineering • Biosignal Processing • Medical Device Design • Rehabilitation Engineering • Medical Sciences for Engineers • Introduction to Physiology • Electrical & Electronic Circuits • Computer Engineering • Electromagnetics • Control Theory • Mechanics of Fluids • Mechanics of Solids • Applied Physics • Applied Dynamics • Functional Anatomy & Kinesiology

A student's week includes attending lectures and tutorials as well as participating in laboratory-based workshops and undertaking independent study.

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

Career & Graduate Study Opportunities

Graduates can find employment in:

The Medical Technologies Industries • Pharmaceutical Industries • Medical Device Design • Rehabilitation Engineering • Device Manufacturing • Regulation • Engineering Consultancy

Graduates can also pursue a taught or research master's degree in Biomedical Engineering. You can study for a PhD and work with some of the world's leading experts on ground-breaking research.

International Study Opportunities

Opportunities have included:

- Beijing University of Technology, China
- University of New South Wales, Australia
- University of Illinois, USA
- University of British Columbia, Canada

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME Biomedical Engineering programme. Six to eight month internships (the majority of which are paid), have included the following companies: Boston Scientific, Stryker, Bio-Medical Research, BD Medical, DePuy, ResMed, Intel, Abbott and Crospon.

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"After having decided to study Chemical and Bioprocess Engineering, I can honestly say that there was no better choice than UCD. The staff are both supportive and encouraging and the prioritisation of teaching standards is evident throughout all the classes. Throughout my four years in UCD I was encouraged to challenge myself through project work and presentations as well as work closely with my classmates to build friendships and working relationships that will last long into the future. Having now started work in Eli Lilly I can see how these skills will stand to me as I further my career. "

Aisling Judge Graduate

Chemical Engineering students working on a bioreactor

Chemical & Bioprocess Engineering

BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 500 — 625

Length of Course 5 years (4 year BE + 1 year ME) or 4 year BE

DN150 Places 250

Entry Requirements
English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

KEY FACT
The 4-year BE programme is professionally accredited by the IChemE as satisfying the academic requirement for registration as a Chartered Chemical Engineer.

Why is this course for me?

Chemical & Bioprocess Engineering (CBE) is fundamentally about the ingenious transformation of matter and energy into products and services. More specifically, it addresses the design and operation of facilities needed to achieve this transformation in a technically, economically and environmentally acceptable manner.

Examples of products include petrochemicals, (bio)pharmaceuticals and nano-materials. Examples of services include energy supply (from carbon-based to renewable resources), clean air and CO2-sequestration.

As a Chemical & Bioprocess Engineer you'll use the sciences as the basis for understanding these transformations; you'll apply mathematical and engineering principles to realise them on the appropriate scale. If you seek invention, and want to work at the interface between the sciences, mathematics and engineering, with a broad and well-paid portfolio of career opportunities, strongly consider CBE.

What will I study?

First Year

Engineering students follow a common first year. Modules include: Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second to Fifth Year

Sample modules for Chemical & Bioprocess Engineering students in years two to four include: Organic Chemistry for Engineers • Inorganic & Physical Chemistry for Engineers • Chemical & Bioprocess Engineering Measurement • Biotechnology for Engineers • Computing in Chemical & Bioprocess Engineering • Chemical & Bioprocess Reaction Engineering • Chemical & Bioprocess Engineering Thermodynamics • Commercial Pharmaceutical & Bioprocessing Technology • Chemical & Bioprocess Engineering Design • Professional Engineering (Finance) • Environmental Engineering • Advanced Separation Processes • Advanced Experimental Design

A student's week includes attending lectures and tutorials as well as participating in laboratory-based workshops and undertaking independent study.

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

Career & Graduate Study Opportunities

UCD has the oldest, largest and most research-active School of Chemical & Bioprocess Engineering in Ireland, and is benchmarked competitively against the top schools in Europe and abroad. In addition, our programme is professionally accredited to master's level by the Institution of Chemical Engineers (IChemE). All of this translates to our graduates being among the best-paid engineering professionals and sought after for employment in sectors from chemical to (bio)pharmaceutical and from energy to consultancy and design. We offer taught and research master's and PhD opportunities, and our graduates also enter master's and PhD programmes in leading international universities.

International Study Opportunities

Recent opportunities have included a year in:

- University of California, Berkeley, USA
- ENSIACET, Toulouse, France
- TU Berlin, Germany
- University of Melbourne, Australia

Professional Work Experience (PWE)

is incorporated in the ME Chemical and Bioprocess Engineering programme. Six to eight month internships (the majority of which are paid), may include the following companies: Abbvie, APC, BMS, Irish Cement, Lilly, MSD.

Other courses of interest

Engineering	→154
Biomedical Engineering	→156
Chemistry	→106
Chemistry with Biophysical Chemistry	→107

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Civil Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 9)
or BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 **500 — 625**

Length of Course **3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)**

DN150 Places **250**

Entry Requirements
English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Other courses of interest

Engineering	→154
Mechanical Engineering	→161
Structural Engineering with Architecture	→162
Landscape Architecture	→150

Cable-stayed bridge

"Having originally been attracted to UCD due to the high international standing of its engineering school, I graduated with an ME degree in Civil Engineering in 2014. Throughout the 5 year programme I gained knowledge in all aspects of civil engineering before finally focusing on bridge design. I am currently working as a bridge engineer with AECOM in the UK. My work as an engineer is a good mix of inspection and design work on both existing and new bridges. I find my work both interesting and challenging and it affords me the opportunity to make a difference in our modern world. The UCD Civil Engineering course prepared me well to meet these challenges through a mix of top class lectures, tutorials, laboratories and project-based workshops."

Mark Gilsenan Graduate

Why is this course for me?

Civil Engineering deals with the design, construction and maintenance of the physical and naturally built environment. It includes the design of bridges, buildings, roads and dams, and works relating to management of our water resources. The work of civil engineers is evident all around us and their contribution to society is huge. This work incorporates environmental protection; large-scale construction projects; ensuring the provision of safe drinking water; designing and implementing strategies for treating wastewater and pollutants; development of transport infrastructure; flood prevention; and the design of foundations for different ground conditions.

Skills for meeting these requirements are developed in UCD Civil Engineering, in core areas of structural design, water and environmental engineering, transport engineering and geotechnical (soil and foundation) engineering.

What will I study?

First Year

Engineering students follow a common first year. Modules include:
Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second to Fifth Year

Areas of study for Civil Engineering include: Theory, Design & Analysis of Structures • Hydraulic Engineering • Treatment Processes for Water & Wastewater • Soil Mechanics & Geotechnical Engineering • Construction Materials & Practice • Transportation Engineering

A student's week involves attending lectures, tutorials, participating in laboratory classes and undertaking project and design exercises both individually and in teams.

Coursework is continually assessed but modules also include end of semester written examinations.

Career & Graduate Study Opportunities

Graduates can find employment in:

- Environmental industries
- Transportation engineering
- Water resource and hydraulic engineering
- Management and project management
- Financial services
- Research

Graduates can apply for taught and research master's degrees in UCD, including Civil, Structural and Environmental Engineering and Engineering with Business. Graduates can also apply for positions in PhD research programmes.

International Study Opportunities

Opportunities to date have included:

- University of Melbourne, Australia
- University of California, Berkeley, USA
- University of Auckland, New Zealand
- University of Connecticut, Storrs, USA

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME programme. Six to eight month internships (the majority of which are paid), have included the following companies: ESB International, Malone O'Regan, Irish Water, RPS Group, ARUP, O'Connor, Sutton, Cronin, Roughan and O' Donovan

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"I chose to study engineering because I wanted the opportunity to create the future by applying scientific principles to solve real-world problems. Studying electronic engineering at UCD not only developed my technical abilities but also gave me a dedicated work ethic and skills that are highly sought after in Ireland and abroad. Having graduated in 2015, I'm now working in the Internet of Things and Wearables Group at Intel. I work in a results-driven, collaborative environment where we design system-on-chip microcontrollers that go into technical solutions from sports equipment to medical devices. My electronic engineering degree from UCD has given me a wealth of knowledge that I will continue to use into the future."

Maebh Larkin Graduate

Electrical Power Transmission Network

Electronic Engineering *or* Electrical Engineering

BSc (Engineering Science) (NFQ Level 8) leading to ME (NFQ Level 9) or BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 500 — 625

Length of Course 3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)

DN150 Places 250

Entry Requirements

English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Why is this course for me?

Electrical and Electronic Engineers have revolutionised the way we live today. As an electronic or electrical engineer you can lead the way in designing technologies that will shape our world. Such engineers use creative ways to generate and handle electricity and information. They have developed the technologies we use to listen to music and communicate with one another, including smartphones and the Internet. Electrical and electronic engineers are also developing new ways to solve the world's energy problems by harnessing renewable energy sources like wind and ocean energy.

What will I study?

First Year

Engineering students follow a common first year. Modules include:

Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/ Electronic Engineering • Creativity in Design

Second to Fifth Year

Students on this degree follow the same pathway until their third year, when they specialise in either Electrical or Electronic Engineering. Modules include:

Electrical & Electronic Circuits • Electromagnetics • Digital Electronics • Electrical Energy Systems • Communication Systems • Electromagnetic Waves • Signal Processing • Analogue Electronics • Power System Engineering • Analogue & RF Electronics • Neural Engineering • Renewable Energy Systems • Power System Operation

A student's week includes attending lectures and tutorials as well as participating in laboratory-based assignments and undertaking independent study.

A combination of end-of-semester written examinations and continuous assessment is used. In your final year you will undertake a substantial project, involving some combination of research and design in some area of interest. This will be assessed using reports, presentations and an interview.

Career & Graduate Study Opportunities

You could be involved in projects that make a difference to the world, e.g. harnessing new sources of energy or developing advanced digital technologies. Exciting opportunities exist in areas such as designing new means of communication or the next generation of multimedia devices, studying the human brain, working with electrical energy systems or developing new imaging techniques.

You can also pursue graduate study internationally or as part of a UCD master's degree, e.g. ME in Biomedical Engineering, ME in Electronic & Computer Engineering, ME in Electrical Energy Engineering or ME in Engineering with Business.

International Study Opportunities

Opportunities to date have included:

- McGill University, Montreal, Canada
- National University, Singapore
- University of California, USA
- University of Queensland

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME programmes. Six to eight month internships (the majority of which are paid), have included the following companies: EirGrid, Arup, ResMed, SAP, Intel, Analog Devices, ESB Networks, Mainstream Renewable Power.

Other courses of interest

Engineering	→154
Biomedical Engineering	→156
Energy Systems Engineering	→160
Computer Science	→123

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Energy Systems Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 9)
or BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 **500 — 625**

Length of Course **3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)**

DN150 Places **250**

Entry Requirements
English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants
See www.ucd.ie/myucd/eu

Non-EU Applicants
See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

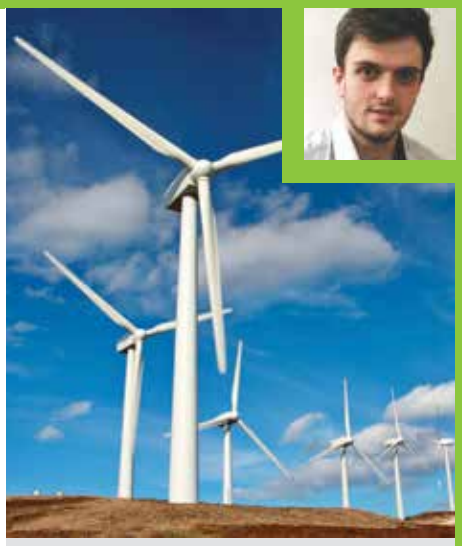
Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Other courses of interest

Engineering	→154
Electrical/Electronic Engineering	→159
Mechanical Engineering	→161



Wind energy generation

"Energy Systems Engineering at UCD is suitable for anyone interested in a career in energy, from offshore oil exploration to renewable energy integration. The course offers a broad range of subjects which not only cover the technical aspects of engineering but also the associated economic and social challenges we face today. Having completed this degree, I feel that Energy Systems Engineering at UCD has provided me with the best platform to forge a successful career in the energy sector and I would recommend it to anyone looking to follow the same career path."

Gavin Hickey 5th Year Student

Why is this course for me?

If you want to work on solutions to the world's energy problems, Energy Systems Engineering at UCD is for you. This degree prepares you to meet the engineering, economic and environmental challenges of the future. It focuses on the interdependence between electricity systems, building energy systems, the industrial production system, the food supply chain and the transport system.

Maintenance of current living standards in the developed world, as well as aggressive renewable energy targets as defined by the EU, will demand new ways to use energy more efficiently, as well as requiring much bigger contributions from solar, wind, biomass, nuclear and advanced fossil fuel technologies. This degree provides students with a strong understanding of the complex multi-disciplinary and often conflicting issues that arise in the search for effective solutions to the energy challenges of the future.

What will I study?

First Year

Engineering students follow a common first year. Modules include:

Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second to Fifth Year

Sample modules for Energy Systems Engineering students include:

Mechanics of Fluids • Electrical & Electronic Circuits • Engineering Thermodynamics • Electrical Energy Systems • Power System Engineering • Air Pollution • Measurement & Instrumentation • Energy Systems & Climate Change • Wind Energy • Energy Economics • Power System Operation • Energy Systems in Buildings

A student's week includes attending lectures and tutorials as well as participating in laboratory-based workshops and undertaking independent study.

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

Career & Graduate Study Opportunities

Graduates will be equipped with the skills and knowledge that are vital for crucial roles in research, design and development in the energy sector. You can also pursue graduate study internationally or through the UCD Master of Engineering in Energy Systems taught programme.

International Study Opportunities

Opportunities to date have included:

- University of British Columbia, Canada
- University of California, Berkeley, USA
- EPFL, Lausanne, Switzerland

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME programme. Six to eight month internships (the majority of which are paid), have included the following companies: Glen Dimplex, Arup, RPS Group and Mainstream Renewable Power.

KEY FACT
Energy Systems Engineers work towards alternative solutions to the dwindling supply of fossil fuels, such as solar, wind, biomass & nuclear to meet the energy demands of our developed world.

www.ucd.ie/**myucd/eng**

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"For as long as I can remember I always wanted to do engineering, and that influenced my choice of subjects for the Leaving Certificate. I did Maths, Applied Maths and Physics. I also did Art, which some people may find unusual but I found it really useful, particularly in the design modules of my degree. I chose Mechanical Engineering because I had a hands-on approach to all things mechanical (especially engines) while growing up, and I wanted to learn how and why things work the way they do. I now work in Italy with Ferrari on engine design and testing."

Ian Whelan Graduate

Condensation shock associated with local supersonic flow

Mechanical Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 9)
or BE (Hons) (NFQ Level 8)

CAO Code **DN150**

CAO Points Range 2015 500 — 625

Length of Course 3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)

DN150 Places 250

Entry Requirements
English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
None

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Why is this course for me?

Mechanical engineers help to improve our world. We face unprecedented challenges, from understanding climate change, to managing global mobility, to finding sustainable growth pathways for the burgeoning population in the developing world. Mechanical Engineering in UCD provides you with the education, skills and knowledge you'll need to understand the challenges, and help to develop the new solutions we need. Working in areas ranging from energy to aerospace, biomedicine or manufacturing, mechanical engineers are changing our world for the better. They create new solutions, integrate disparate technologies, increase energy efficiency, reduce our consumption of natural resources and minimise our impact on the local and global environment. If you want to help forge a path to a brighter future, Mechanical Engineering at UCD is the place for you.

What will I study?

First Year

Engineering students follow a common first year. Modules include: Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second to Fifth Year

Sample modules for Mechanical Engineering students include: Mechanical Engineering Design • Mechanics of Fluids • Materials Science & Engineering • Heat Transfer • Electrical & Electronic Circuits • Manufacturing Engineering • Mechanics of Solids • Professional Engineering • Engineering Thermodynamics • Applied Dynamics • Biomechanics • Measurement & Instrumentation • Control Theory

A student's week includes attending lectures and tutorials as well as participating in laboratory-based workshops and undertaking independent study.

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

Career & Graduate Study Opportunities

Opportunities are extraordinarily diverse, making graduates highly resilient to changing economic circumstances. Recent graduates are currently employed in: • Energy, Biomedical, Aeronautical, Automotive and Manufacturing Sectors • IT companies • Management and Project Management.

Graduates can pursue taught or research master's degrees in Mechanical Engineering, Materials Science and Engineering, Energy Systems Engineering, Engineering with Business or Biomedical Engineering in UCD or elsewhere. Those with a strong interest in research also have the opportunity to pursue a PhD.

International Study Opportunities

Students are encouraged to spend one or more semesters abroad, attending a Mechanical Engineering degree of equivalent standard. To date, students have studied in:

- University of California, Berkeley, USA
- Georgia Institute of Technology, USA
- EPFL, Lausanne, Switzerland
- Australia, France and New Zealand

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME programme. Six to eight month internships (the majority of which are paid), have included the following companies: Accenture, Bio-Medical Research Galway Ltd., BMW, Boston Scientific, Henkel, Jaguar Land Rover, PCH International, Moog Dublin Ltd., Crospon & Abbvie and many others.

Other courses of interest

Engineering →154
Energy Systems Engineering →160
Biomedical Engineering →156

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Structural Engineering with Architecture

BSc (Engineering Science) (NFQ Level 8) leading to ME (NFQ Level 9)

"I chose to study Structural Engineering with Architecture in UCD as I have always had a keen interest in the built environment. The course content is varied with modules ranging from mathematical to model making. I particularly enjoyed, and have since found very useful, the case studies module in which we scheme designed the structure of a building every two weeks and then presented the design as a team.

The course can be as international as you make it, in my third year I went to the University of Connecticut for a semester, which was a great experience. The work placement in 4th year is also an excellent part of the course, giving you practical experience as well as being very valuable to potential employers."

Tara Clinton Graduate

CAO Code **DN150**

CAO Points Range 2015 500—625

Length of Course 3 Years (BSc) (Hons) + 2 Years (ME) or 4 Years (BE)

Places 250

Entry Requirements

English • Irish • Mathematics (Min H4 in LC or equivalent) • One laboratory science subject (Min H6 in LC or equivalent) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Special Entry Recommendations

It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Other courses of interest

Architecture →149

Civil Engineering →158

Why is this course for me?

If you're interested in the beauty of architectural design, and you want to be the one who realises these designs by creating viable solutions that ensure structures stand the test of time, then this is the course for you. The Structural Engineering with Architecture degree at UCD is a two-part degree, with an initial three-year bachelor's degree followed by a two-year master's degree, focusing primarily on the design of structures. The programme's aim is to develop an appreciation for architecture coupled with the solid fundamentals of an engineering degree. This will enable graduates to challenge the traditional boundaries of structural design.

What will I study?

First Year

Engineering students follow a common first year. Modules include: Physics • Chemistry • Mathematics • Energy Engineering • Mechanics • Electrical/Electronic Engineering • Creativity in Design

Second Year

Construction Materials • Construction Practice • Mechanics of Solids • Soil Mechanics 1 • Architecture for Structural Engineers

Third Year

Structure & Form • Analysis of Structures • Design of Structures • Energy Systems: Buildings

Fourth Year

Taught modules in semester one are typically followed by an eight-month work placement.

Those not on work placements will do a design project in addition to taught modules. Modules include: Professional Engineering for Civil & Structural Engineers • Structural Analysis, Design & Specification • Structural Dynamics Soil • Materials & Design • Realising Built Projects

Fifth Year

Innovation Leadership • Advanced Structural Analysis & Design • Professional Engineering (Management) • Soil Mechanics & Geotechnical Engineering • Bridge Engineering • Research Project

A student's week includes attending lectures and tutorials as well as participating in laboratory-based workshops and undertaking independent study.

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

Career & Graduate Study Opportunities

The ME programme in Structural Engineering with Architecture is fully accredited by Engineers Ireland, and thus recognised internationally. Graduates can find employment in Ireland and abroad in areas such as:

Engineering consultancy • Construction management • Project management and planning • Management consultancy and finance

You can also pursue an academic career, and a PhD in Structural Engineering, in Ireland or abroad.

International Study Opportunities

There is the opportunity to spend a semester abroad. Students to date have spent semesters at: University of Cantabria, Spain • University of California, USA • University of Connecticut, USA • San Jose State University, USA • University of Washington, USA

Professional Work Experience

Professional Work Experience (PWE) is incorporated in the ME programme. Six to eight month internships (the majority of which are paid), have included the following companies: Arup, Skidmore Owings & Merrill (London), Thornton Tomasetti (New York), T/E/S/S Atelier D'Ingénierie (Paris), Mott McDonald (Dubai), Waterman Moylan, and O'Connor Sutton Cronin.

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Veterinary Medicine

Veterinary Medicine	**164**
Veterinary Medicine (Graduate Entry)	**166**
Veterinary Nursing	**167**

UCD Veterinary Medicine is the only centre for veterinary medical education in Ireland. It enjoys a long and proud tradition, and the school has achieved an international reputation. It provides excellent facilities for the care of animals and offers outstanding training opportunities for veterinary medical and veterinary nursing students.

Why UCD Veterinary Medicine?

UCD Veterinary Medicine is one of the leading veterinary schools in Europe. As well as having Irish and European accreditation, it has been granted full accreditation by the American Veterinary Medical Association (AVMA), whose educational standards of excellence are recognised worldwide as the gold standard in veterinary education.

Our state-of-the-art facility in the Veterinary Sciences Centre, on UCD's main Belfield campus, is also home to the UCD Veterinary Hospital. The hospital offers high-quality veterinary services for farm, equine and companion animals, and this caseload provides vital opportunities for our students to complete their clinical training requirements.

Our facilities, our staff and the environment of a major research-intensive university allow us to expand the frontiers of knowledge in veterinary research, thus advancing animal health, animal welfare and human health. This research informs our educational programmes to give our students a world-class education, whether they are studying to be veterinary nurses, veterinarians, veterinary specialists or pursuing advanced research degrees.

Your First Year Experience

From the very start, you will receive a strong grounding in normal animal structure and function, animal handling, welfare, nutrition, breeding and management, ensuring you are well prepared for your later study. As well as lectures, small group tutorials and practical classes are a great way to get to know your fellow students and make new friends.

In first year you will benefit from a mix of campus-based and off-site educational experiences. At the Veterinary Sciences Centre in Belfield, you will study the foundations of biomedical science, while at Lyons Estate Research Farm you will have practical sessions to help you handle a variety of animal species safely, and learn about their normal management, feeding and breeding. You will also have the opportunity to study elective modules from the wide menu provided right across the University, as well as being introduced to university life and a wide range of clubs and societies.

Veterinary Medicine

MVB (Hons) (NFQ Level 8)

"I have enjoyed every minute of my five years studying Veterinary Medicine in UCD. I knew I would enjoy the content of the course as I had always wanted to be a vet. But it was the people in this faculty and the sense of community felt here that will make me think of the past five years fondly.

I have met some incredible people during my time here – from equine surgeons in Boston to sheep farmers in Louth. I have developed huge confidence as a result of the practical elements of this course."

Liz Gray Student

CAO Code **DN300**

CAO Points Range 2015 **575 — 625**

Length of Course **5 Years**

Places **82**

Entry Requirements

English • Irish • A third language • Mathematics • Chemistry (Min H5 in LC or equivalent) • One other recognised subject

Undergraduate students applying through the CAO system will be required to demonstrate that they have acquired at least two weeks practical experience relevant to animal handling or veterinary practice. For further information please visit: http://www.ucd.ie/vetmed/2017caoapplicants/

Please note: Biology at Leaving Certificate is not required but it is strongly recommended

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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

None

Mature Entry Route

None

Other courses of interest

Medicine	→126
Animal Science	→173
Agricultural Science	→170
Biomedical, Health & Life Sciences	→129

Why is this course for me?

This programme will educate you to the best international standards in veterinary medicine. To work as a vet in the Republic of Ireland you must have a degree in Veterinary Medicine, which is registered by the Veterinary Council of Ireland. UCD's Bachelor of Veterinary Medicine (MVB) is Ireland's only such degree. The veterinary profession is concerned with the promotion of the health and welfare of animals of special importance to society. This involves the care of healthy and sick animals, the prevention, recognition, control and treatment of their diseases and of diseases transmitted from animals to man, and the welfare and productivity of livestock.

What will I study?

This programme will prepare you for entry into any branch of the profession, with specific hands-on work and clinical cases in fifth year. The course structure is:

First & Second Year

Normal Animal Structure & Function • Animal Husbandry & Welfare • Animal Handling & Animal Experience

Third & Fourth Year

Pathobiological Sciences • Medicine • Surgery • Therapeutics • Herd Health • Epidemiology • Veterinary Public Health

Fifth Year

Clinical rotations in the UCD Veterinary Hospital (see Year 5 in model opposite) • Elective studies • Clinical experience

During the first four years, students spend an average of 40 hours per week attending lectures, tutorials and practicals, with some practicals taking place at Lyons Research Farm. During the final year, clinical rotations take place mainly in the UCD Veterinary Hospital and can involve early mornings and some late-night work. Students are also expected to undertake independent study.

A combination of end-of-semester written, practical and competency examinations, along with continuous assessment during term, is used throughout the programme.

Career & Graduate Study Opportunities

You can work in mixed, small animal, farm animal or equine practice. You may also obtain further specialist clinical qualifications. Beyond clinical practice, veterinarians play an important role in the protection of public health, in research into diseases of animals and man, and in other areas such as conservation and wildlife protection. While most graduates work in clinical practice, increasing numbers pursue research in public service or private sector research. This reflects the important role of the veterinarian in animal health control and consumer protection. At present there is almost complete employment for veterinary graduates.

International Study Opportunities

Many students choose to obtain part of their extramural experience abroad, in veterinary hospitals or other veterinary schools. The high standing and international recognition of Veterinary Medicine at UCD ensures that they are readily accepted for such placements.

www.ucd.ie/myucd/vetmed

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Studying UCD Veterinary Medicine

Years 1 & 2

Basic Underpinning Sciences (Pre-clinical)

- Normal Structure & Function
- Animal Production, Behaviour & Welfare
- EMS: Animal Handling Competencies
- In-programme electives

Graduate Entry (One-year)

Years 3 & 4

Paraclinical & Clinical Sciences

- Pathobiology & Infectious Disease
- Surgery
- Medicine
- Herd Health
- Epidemiology
- Veterinary Public Health
- Pharmacology & Therapeutics
- Communications
- Professionalism

Year 5

Prepare for professional practice with clinical rotations (themes)

- Small Animal Clinical Studies
- Large Animal Clinical Studies
- Diagnostic Imaging
- Anaesthesiology
- Emergency Medicine
- Clinical Reproduction
- Herd Health
- Population Medicine
- Diagnostic Pathology
- Clinical Pathology
- Equine Clinical Studies
- Elective study
- Extramural studies (opportunities to study abroad)

MVB (Honours)

Specialise through UCD graduate study

Taught Graduate Programmes

Examples:

- Dairy Herd Health
- Canine Sports Medicine

Master's (Taught & Research) & PhD

Negotiated Programmes available

Veterinarian

- Practice Owner
- Practice Partner
- Practice Assistant
- Animal Charities

Shape your career with UCD Veterinary Medicine

Career Opportunities

- Biomedical Research
- Government Agencies
- Industry Consultancy
- International Organisations (WHO, FAO)
- Academic Teaching
- Research

Continue to develop your professional career with UCD...

Veterinary Medicine (Graduate Entry)

MVB (Hons) (NFQ Level 8)

"I am so grateful for the opportunity to have been able to pursue my lifelong dream of becoming a veterinarian at UCD School of Veterinary Medicine. The combination of classroom teaching, practical classes, and final year rotations in the UCD Veterinary Hospital have provided a well-rounded education that will allow me to problem solve and attend to animals across multiple species. I especially enjoyed transitioning from the classroom to working down in the hospital during my final year rotations where students are treated more like colleagues and given increasing amounts of responsibility. The critical thinking and practical skills I have gained are invaluable and have made me ready to transition into the working world as a clinician."

Mandy Rollins Student

CAO Code **DN301**

Length of Course **4 Years**

Places **5***

Entry Requirements
See Eligibility Criteria note below

Application Procedure
Applicants must apply via CAO no later than 1 February. For full details about the application procedure, please visit **www.ucd.ie/myucd/vetgradadmissions**.

*Please note that the number of places and eligibility criteria mentioned here refer to EU applicants only. Non-EU applicants should contact vetprogrammes@ucd.ie.

Other courses of interest
Medicine (Graduate Entry) →128

Why is this course for me?

With so much competition for entry to Veterinary Medicine from school leavers, many candidates with the necessary aptitude and attitude required to develop productive, professional careers in this area are unable to secure a place. By increasing the number of places available to graduates with appropriate prior learning, and by providing a tailor-made programme over four years for graduate entrants, we have increased student diversity and provided enhanced opportunities for entry.

To apply for this four-year programme you must have completed a degree in biological, biomedical or animal sciences before entry into the programme. This graduate entry programme is designed to educate future veterinarians to the best international standards in veterinary medicine and to prepare them for careers in professional work, research and public service.

Clinical rotations take place primarily in the UCD Veterinary Hospital in Belfield, which receives a range of pet species, farm animals and horses.

What will I study?

The programme is organised over four years. In first year, students will build on their knowledge of the basic biological sciences. You'll take modules which demonstrate how this knowledge is applied in the practice of veterinary medicine, and gain a firm grounding in animal welfare, behaviour and handling. A key objective will be to ensure that you have the required knowledge, skills and competencies to progress to second year. Between second and fourth year you'll take combined modules with students taking the DN300 degree in Veterinary Medicine.

Eligibility Criteria*

The four-year graduate entry programme is open to applicants who:

i) hold an honours degree (NFQ Level 8) in a biological, biomedical or animal science discipline at the level of a 2.2 Honours or above, a master's degree or a PhD. (Graduates of any discipline are welcome to apply for entry to the five-year MVB programme. Up to five places will be made available in DN300.)

ii) are EU applicants (i.e. not deemed "overseas" applicants for purposes of fees).

Graduate entry candidates will be assessed on a combination of:

i) GAMSAT score

ii) educational performance

iii) a personal statement outlining their motivation to study Veterinary Medicine

Career & Graduate Study Opportunities

You can work in mixed, small animal, farm animal or equine practice. You may also obtain further specialist clinical qualifications. Beyond clinical practice, veterinarians play an important role in the protection of public health, in research into diseases of animals and man, and in other areas such as conservation and wildlife protection. While most graduates work in clinical practice, increasing numbers pursue research in public service or private sector research. This reflects the important role of the veterinarian in animal health control and consumer protection. At present there is almost complete employment for veterinary graduates.

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"The depth of knowledge that is available to us from lecturers that come from both veterinary medicine and veterinary nursing backgrounds is amazing. The lecturers are extremely approachable and they will go out of their way to make sure a student understands any area they may be having difficulty with. The experience that I have gained from the practical side of the course has been invaluable to me. The veterinary practice where I completed my placement taught me so much and I really gained an understanding of the roles and the responsibilities that a veterinary nurse has. The combination of the lecturers, class mates and practical learning has greatly increased my confidence and I cannot wait for the day that I become a registered veterinary nurse."

Ciaran Lloyd Student

Veterinary Nursing

BSc (Hons) (NFQ Level 8)

Why is this course for me?

In response to the recognition and registration of veterinary nursing as a profession in Ireland, UCD developed and implemented a full-time, four-year honours BSc Veterinary Nursing degree programme in 2009. The degree provides the graduate with not only a sound academic foundation but also the practical skills and competencies with which to build a solid career as a professional veterinary nurse.

What will I study?

First & Second Year

Students receive a high-quality education through lectures, tutorials and practical classes, as well as off-site work experience. The curriculum reflects the demands on the Irish veterinary nurse in practice by incorporating teaching on small animal (including exotics), farm animal and equine nursing.

During the first two years, students spend an average of 30 hours per week attending lectures, tutorials and practicals on all aspects of veterinary nursing, including:

Comparative Veterinary Anatomy & Physiology I & II • General Veterinary Nursing & Animal Handling • Principles of Animal Behaviour, Nutrition & Welfare • Veterinary Anaesthesia & Therapeutics • Reception & Practice Management for Veterinary Nurses • Surgical Nursing

Third & Fourth Year

During third year you undertake additional modules and embark on placements within veterinary practices that are committed to veterinary nurse training. During the final year, Veterinary Nursing rotations largely take place in the UCD Veterinary Hospital and can involve early mornings and some late-night work. Students are also expected to undertake independent study.

A combination of end-of-semester written and practical examinations, along with continuous assessment during semesters, is used throughout the programme.

Career & Graduate Study Opportunities

In addition to the highly skilled role of veterinary nursing in the practice environment, strong demand exists for qualified veterinary nurses in a number of related fields:

- Animal nutrition
- Insurance
- Pharmaceuticals
- Practice management
- Animal welfare
- Charitable work
- Education

You'll also have the opportunity to pursue graduate studies, thereby actively contributing to academic and research fields both within your profession and in related sciences.

CAO Code **DN310**

CAO Points Range 2015 **465—570**

Length of Course **4 Years**

Places **44**

Entry Requirements

English • Irish • Mathematics • One laboratory science subject or Home Economics (Social & Scientific) (Min O3/H6 in LC or equivalent) • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

None

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Other courses of interest

Veterinary Medicine →164
Animal Science →173

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Feeding and caring for a growing population, energy provision and the protection of the environment are among the greatest global challenges facing society today. These are areas where UCD Agriculture, Food & Nutrition graduates play a central role. If you are passionate about land, the animals and plants living on it and the food produced from it, you will thrive in any of our degrees.

Leanne Mc Namara, final year, Animal Science student speaking at the Great Agri-food Debate in the Garrett Fitzgerald Debating Chamber at UCD in March 2016.

Why UCD Agriculture, Food & Nutrition?

Agriculture and Food is Ireland's largest indigenous industry and is one that continues to show considerable growth with great potential into the future.

The UCD School of Agriculture and Food Science is ranked number one in Ireland and in the top 100 in the world based on the 2016 QS University Global Subject Rankings. It's unique programmes in Ireland span the entire food chain, providing a diverse range of career opportunities in Ireland and internationally.

Our focus at the UCD School of Agriculture and Food Science is to develop the next generation of agriculture, food and human nutrition leaders. Our graduates have an excellent record in obtaining challenging and fulfilling employment in a variety of sectors. These sectors include: food, agriculture, health, business and services. Developing your professional skills for enterprise management, technical service and consultancy, management, research, education, marketing, communications and primary production of quality food and fibre products.

Students will be exposed to the latest scientific discoveries and knowledge that underpins each of our four year honours degree programmes. The modular and innovative syllabus, involves Professional Work Experience and international study abroad opportunities. The programmes develop highly sought after graduates with innovation, entrepreneurship, critical thinking and problem solving skills.

Your First Year Experience

In your first year, we provide a range of supports to ensure your transition to university life is as smooth as possible. A comprehensive induction and orientation programme, Peer Mentoring, dedicated Student Advisers, committed programme co-ordinators and programme office staff underpin our reputation for being the most friendly and close-knit community in UCD. Supports and initiatives such as the Maths Support Centre tutorials, laboratories and continuous assessment are designed to assist you along the way.

Each of our 12 entry routes has a similar first year, designed to give you a strong foundation in the core sciences, maths and economics needed for the rest of your studies. You will also have an opportunity to take one or more introductory modules from any of our courses in first year, providing you with an insight into the subsequent stages of each degree available within UCD Agriculture, Food & Nutrition. This is particularly beneficial for Agricultural Science (DN250) students, who choose their preferred degree towards the end of first year.

Agriculture, Food & Nutrition

Agricultural Science	170
Animal & Crop Production	172
Animal Science	173
Animal Science — Equine	174
Agricultural Systems Technology	175
Food & Agribusiness Management	176
Dairy Business	177
Agri-Environmental Sciences	178
Food Science	179
Human Nutrition	180
Forestry	181
Horticulture, Landscape & Sportsturf Management	182

Agricultural Science

BAgrSc (Hons) (NFQ Level 8)

CAO Code **DN250**

CAO Points Range 2015 470—600

Length of Course 4 Years

DN250 Places 160

Entry Requirements
English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Food Science	→179
Dairy Business	→177
Agri-Environmental Sciences	→178
Horticulture, Landscape & Sportsturf Management	→182
Forestry	→181

Why is this course for me?

If you're interested in Agricultural Science but are not yet certain of which area to specialise in, you can select the No Preference (NPF) option on your CAO form. Then, during your first year at UCD, you can choose your area of specialisation. If you receive an offer on the Agricultural Science programme you'll be guaranteed a place in any of the five specialisations from second year. If, on the other hand, you know which of the following areas you'd like to specialise in, you can select *one* of these areas on your CAO application. The CAO codes for the degree specialisations offered are:

DN250 ACP Animal & Crop Production
DN250 ASC Animal Science
DN250 EQS Animal Science - Equine
DN250 AST Agricultural Systems Technology
DN250 FAM Food & Agribusiness Management

What will I study?

All our degrees have a similar first year, designed to give you a strong foundation in the core sciences, maths and economics needed for the rest of your studies. Science modules are taught on the basis that you have not studied the subject before.

First Year
Core subjects include: Animal Biology & Evolution • Cell & Plant Biology • Physics • Mathematics for Agriculture • Introductory Chemistry • Information Skills • Agricultural Economics & Business

Second, Third & Fourth Year
You specialise in one of the programme areas listed above and detailed on the following pages.

Students spend an average of 40 hours a week attending lectures, tutorials and laboratory-based practicals, and undertake independent study.

A combination of continuous assessment and end-of-semester written examinations is used. Certain modules also require project work.

Career & Graduate Study Opportunities

BAgrSc graduates have an excellent record in obtaining challenging and fulfilling roles. Careers in sectors such as food, agriculture, business and services include:

- Enterprise management
- Technical service and consultancy
- Research
- Education
- Marketing and communications
- Primary production of quality food and fibre products

You can also pursue a wide range of graduate studies by research or examination (master's and PhD) in areas such as:

- Environmental resource management
- Humanitarian action
- Rural development
- Business
- Information Technology
- Education

Higher and graduate diplomas are also available.

Professional Work Experience (PWE) & International Study Opportunities

PWE is an integral part of the degree and takes place in third year. Part, or all, of PWE can be taken abroad. PWE provides an opportunity for you to network, experience many different roles and, in some instances, even secure a job prior to graduation.

There are opportunities to study abroad for one semester during third year, in universities in Australia, New Zealand, Europe and the USA, among others.

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Studying UCD Agricultural Science

Year 1 — Explore your options

- Biology
- Maths
- Chemistry
- Physics
- Information Skills
- Agricultural Economics & Business
- Elective modules

Years 2, 3 & 4 — Choose your pathway*

- Animal & Crop Production
- Animal Science
- Animal Science - Equine
- Agricultural Systems Technology
- Food & Agribusiness Management
- Professional Work Experience
- Optional Study Abroad
- Subject Specific modules

BAgrSc (Honours)

Specialise through UCD graduate study

Taught & Research Masters

- Animal Science
- Applied Equine Science
- Food Business Strategy
- Food, Nutrition and Health
- Sustainable Agriculture and Rural Development
- Wildlife Conservation and Management
- Environmental Resource Management
- Rural Environmental Conservation & Management
- Humanitarian Action
- Agricultural Extension & Innovation

Doctor of Philosophy (PhD)

Research and Academia

Shape your career with UCD Agricultural Science

- Nutritionist
- Teacher
- Accountant
- Farm Manager
- Horticulturist
- Marketing Manager
- Journalist
- Business Manager
- Technical Sales Manager
- Communications Manager
- Banker, Stockbroker
- Food Safety Inspector
- Quality Assurance Officer
- Agricultural Consultant
- Agricultural Inspector
- Technical Engineer
- Policy Analyst
- Production Manager
- Food Technologist
- Microbiologist
- Scientist
- Researcher
- Principal Investigator
- Lecturer
- Professor
- Government Official
- Development Officer
- Project Manager
- County Heritage Officer

Conversion/ Complementary Courses

- PME Professional Masters in Education (Teaching)
- Graduate Veterinary Medicine
- MSc Business Studies
- Master of Business Administration
- Graduate Medicine
- HDip Computer Science
- Master of Accounting

Continue to develop your professional career with UCD...

*Pathway models are available for each course at **www.ucd.ie/agfood**

Animal & Crop Production

BAgrSc (Hons) (NFQ Level 8)

"Agricultural Science in UCD was definitely the right course for me. I started as an Omnibus entrant and chose to study Animal and Crop Production in first year. Agricultural Science provides the ideal combination of theory and practical knowledge. We learn about a variety of topics over the course of our four years such as reproduction, nutrition and business to name a few.

The Ag Science community is one of a kind. Although there are over 30,000 students here in UCD the Ags are like one big family. It is hard to walk through the Agricultural Science building without stopping to chat to a few classmates along the way. In first year you will have peer mentors to help with any problems and events throughout the year to make new friends. "

Amie Coonan Graduate

CAO Code **DN250 ACP**

CAO Points Range 2015 470— 600

Length of Course 4 Years

DN250 Places 160

Entry Requirements
English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Agricultural Science	→170
Dairy Business	→177
Agri-Environmental Sciences	→178
Food Science	→179

www.ucd.ie/**myucd/ag**

Why is this course for me?

This degree gives you a broad knowledge of the science and business of both animal and crop production and their interactions in a constantly changing environment. You'll develop:

- Knowledge of the growth, development and improvement of farm animals and crops
- Knowledge of the agribusiness industry
- The capacity to formulate economical and sustainable animal and crop production systems
- The capacity for lifelong learning so you remain informed of evolving technical, economic and regulatory frameworks
- Communication and IT skills

What will I study?

First year concentrates on developing the basic sciences, before the focus moves to more applied sciences. You can also choose elective modules, while the facilities at the UCD Lyons Research Farm are widely used as teaching aids. Modules include:

First Year
Chemistry • Physics • Mathematics • Biology • Introduction to Animal & Crop Science

Second Year
Soil Science • Microbiology • Applied Plant Biology • Animal Nutrition • Business Management

Third Year
Animal Breeding & Reproduction • Plant Diseases: Biology and Control • Professional Work Experience

Fourth Year
Ruminant & Non-ruminant Animal Production • Grass & Cereal Production • Farm Business Management • Professional Communications • Animal Nutrition II

Students spend an average of 40 hours a week attending lectures, tutorials and laboratory-based practicals, and undertake independent study. In the final year, students make regular visits to UCD's Lyons Research Farm to get hands-on practical experience.

A combination of continuous assessment and end-of-semester written examinations is used. Certain modules also require project work.

Career & Graduate Study Opportunities

Graduates are employed in a wide variety of areas, such as:

- Agribusiness
- Animal and crop industries
- Consultancy
- Semi-state or government agencies
- Financial services
- Print, radio and television media

This is also a very suitable degree if you intend to pursue full-time farming or combine part-time farming with a professional career. Research opportunities to master's and PhD level are available.

Professional Work Experience (PWE) & International Study Opportunities

Between January and August in third year you undertake a period of PWE in Ireland or abroad. You can also study abroad in semester one of third year, at universities including:

- Cornell University, USA
- Kansas State University, USA
- Texas A&M University, USA
- Purdue University, USA
- Michigan State University, USA

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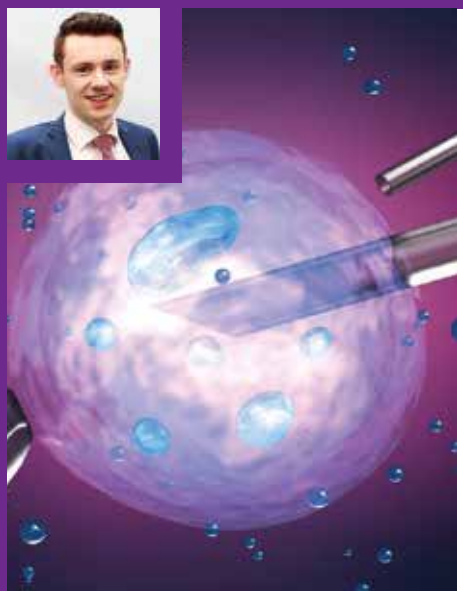
"Having left a previous course in Limerick after seven weeks, after one week in UCD I knew it was for me. Now with four years of Animal Science complete I can without question say I found my calling. The course itself is diverse in a way that you gain both practical and theoretical knowledge in a number of key agricultural areas. Certainly for me the best part of the degree was the professional work experience. Not only did I gain hands on experience on progressive pig, sheep, dairy and beef farms but I also got to work alongside some of Ireland's industry leaders. Without question the experience I gained here has enhanced my skill set massively going forward for future employment. I couldn't recommend the Animal Science degree any more highly for prospective students."

Shane Murphy Graduate



Animal Science

BAgrSc (Hons) (NFQ Level 8)

CAO Code **DN250 ASC**

CAO Points Range 2015 470— 600

Length of Course 4 Years

DN250 Places 160

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

At the core of Animal Science is the study of the applied sciences that are fundamental to understanding how animals function and that underpin the principles of livestock production. The degree will give you an appreciation of:

- The growth and development of domestic farm animals, and animal behaviour and welfare
- Animal production systems and how the components are integrated and managed in an environmentally friendly and sustainable manner
- The livestock industry in Ireland, the context in which it operates and its relationship to animal industries in Europe and worldwide

What will I study?

Modules include:

First Year

Introduction to Animal Science • Animal & Plant Biology • Chemistry • Mathematics • Physics • Information Skills • Agricultural Economics • Elective modules

Second Year

Genetics & Biotechnology • Animal Nutrition • Biostatistics • Business Management • Agricultural Microbiology • Elective modules

Third Year

Animal Reproduction • Animal Breeding • Animal Physiology • Animal Genomics • Professional Work Experience

Fourth Year

Ruminant Animal Production (Dairy, Beef, Sheep) • Non-ruminant Animal Production (Swine, Poultry) • Animal Health, Behaviour & Welfare • Grass & Forage Production

Students spend an average of 40 hours a week attending lectures and tutorials and participating in laboratory-based practicals, and undertake independent study. In the final two years, students make regular visits to UCD's Lyons Research Farm to get hands-on practical experience.

A combination of continuous assessment and end-of-semester written examinations is used. Certain modules also require project work.

Career & Graduate Study Opportunities

A range of opportunities exists, including:

- Animal feed industry
- Procurement, processing and marketing of animal products
- Education
- Consultancy
- Farming and enterprise management
- Journalism

Graduate research opportunities exist at master's and PhD levels.

Professional Work Experience (PWE) & International Study Opportunities

A five-month PWE placement takes place in third year and may be taken as a combination of on-farm, agribusiness and research centre placements. Some of this may be taken abroad (e.g. USA and New Zealand). In addition, an opportunity exists to take a semester abroad. Possibilities include:

- University of Illinois, USA
- Kansas State University, USA
- University of Queensland, Australia
- Michigan State University, USA
- Purdue University, USA

Other courses of interest

Agricultural Science	→170
Food Science	→179
Dairy Business	→177
Veterinary Medicine	→164

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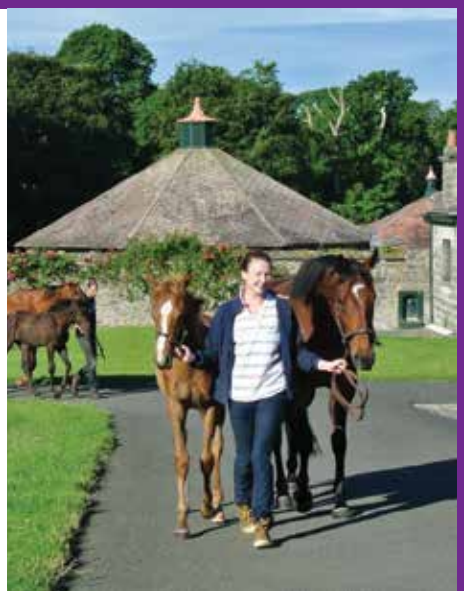
Animal Science — Equine

BAgrSc (Hons) (NFQ Level 8)



"I chose to study Animal Science – Equine in UCD, as I knew the degree would offer me the opportunity to combine my love for science with my love for all things equine. Steeped in science from the beginning, it has given me a strong foundation in the basic sciences and degree specific knowledge. I only really knew about the leisure and tourism industry at the beginning of my degree, but I used the Professional Work Experience programme to work within the Thoroughbred industry - gaining valuable knowledge and contacts. I spent the five months as a student researcher and also worked at Ballylinch Stud, which gave me the skills necessary to work within the industry in future. This programme has really opened my eyes and helped me to get to where I am today as a researcher, studying jet-lag in the horse. I would recommend this degree to anyone with a passion for horses and science!"

Shaileen McGovern Graduate

CAO Code **DN250 EQS**

CAO Points Range 2015 470— 600

Length of Course 4 Years

DN250 Places 160

Entry Requirements
English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Agricultural Science	→170
Dairy Business	→177
Veterinary Medicine	→164

Why is this course for me?

Animal Science – Equine focuses on the applied sciences that underpin animal and veterinary biosciences, with emphasis on the horse. The degree provides the scientific knowledge and transferable skills necessary for professional leadership roles within many aspects of the animal and equine science industries. You'll learn about:

- The growth and development of farm animals, how they function and their behaviour and welfare
- The equine industry in Ireland, its global context and entrepreneurial opportunities
- Equine health, reproduction, genetics, breeding, nutrition and exercise physiology
- Advances and future directions in research with emphasis on equine genetics and reproduction

What will I study?

You'll study the basic sciences at the start, which are complemented by specialist modules in:

First & Second Year
Principles of Animal Science • Animal Biology & Evolution • Genetics & Biotechnology • Animal Nutrition and Equine Industries

Third & Fourth Year
Equine Anatomy & Physiology of Exercise • Equine Genetics • Equine Reproduction and Equine Nutrition • Farm Business Management • Equine Health & Husbandry

Animal practicals are delivered at UCD's Lyons Research Farm, where excellent new equine teaching and research facilities exist. Anatomy classes are conducted at UCD's Veterinary Hospital, while exciting research programmes in equine and animal science support the taught elements.

Students' time is spent primarily attending lectures and undertaking independent study. In most modules this also involves attending practical sessions, laboratory workshops and/or tutorials.

A combination of continuous assessment (class quizzes, MCQ tests), research projects and end-of-semester examinations is used.

Career & Graduate Study Opportunities

In addition to the career opportunities available to Animal Science graduates (see page 173), Equine Science graduates are equipped to pursue careers in:

Equine enterprise management • Equine leisure, recreation and tourism activities • Equestrian marketing and sales enterprises • Sports journalism • Academic teaching

You can pursue equine science research and development careers, and master's and PhD opportunities in Europe and the US.

Professional Work Experience (PWE) & International Study Opportunities

A five-month PWE placement is integral to your degree and is an invaluable learning and networking opportunity. Exciting options include placements on stud farms in the Kentucky Bluegrass region and Japan, top show-jumping and eventing yards in Ireland, and with Tattersalls Ireland and Horse Sport Ireland.

There are also opportunities to participate in the Study Abroad Programme in third year.

- University of Queensland, Australia
- Texas A&M University, USA
- Iowa State University, USA

KEY FACT
Ireland produces more thoroughbred foals than any other EU state. We are the third-largest producer worldwide and marketed globally as The Land of the Horse.

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This is a new Bachelor of Agricultural Science programme which started in September 2016 targeted at the interface of agriculture, engineering and data science.

Agricultural Systems Technology

BAgrSc (Hons) (NFQ Level 8)

CAO Code **DN250 AST**

CAO Points Range 2015 470— 600

Length of Course 4 Years

DN250 Places 160

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

This course is aimed at students who wish to build their knowledge and skills-base to address the complexities of developing, deploying and managing technology for the agriculture and food sector. With a focus on design, numeracy and technology, our students will be committed and engaged with food production and processing, and specifically with technology to enhance efficiency, sustainability and reliability. Technologies of interest range from computer systems, networks, data management and sensors through machinery systems to precision agriculture.

What will I study?

Students will study modules in basic science, agricultural sciences, engineering technologies and data science.

Modules include:

First Year

Biosystems Engineering Design Challenge • Agricultural Economics • Biology • Chemistry • Physics • Mathematics • Computer Programming

Second Year

Food Physics • Engineering Principles • Biosystems Engineering Research Trends • Principles of Animal and Crop Science • Applied Biostatistics • Agricultural Microbiology

Third Year

Agricultural Mechanisation • Sensors and Sensing Systems • GIS and Remote Sensing • IT & E-Business • Data Structures & Algorithms • Numerical Methods for Agricultural and Food Technology • Food Processing Principles • Professional Work Experience

Fourth Year

Food Process Technology • Precision Agriculture • Databases & Information Systems • Experimental Project • Life Cycle Assessment • Precision Agriculture • Quantitative Risk Assessment • Waste Management

Students will spend an average of 40 hours a week attending lectures, tutorials and laboratory-based practicals, and undertaking independent study.

A combination of continuous assessment and end-of-semester written examinations is used. Certain modules also require project work.

Career & Graduate Study Opportunities

Graduates will find rewarding and challenging employment in agri-food industries, including:

Production agriculture • Environmental protection • Food processing • Consulting • Equipment manufacturing

Typical roles include technical and managerial positions in:

- Production
- Service provision
- Food processing
- Environmental protection
- Information technology
- Manufacturing
- Process and product design

There are also excellent graduate study opportunities to specialise in Environmental Technology, Food Engineering and Sustainable Energy and Green Technology.

International Study Opportunities

There are opportunities to study abroad for one semester in third year. Possibilities include:

- University of California, USA
- University of Queensland, Australia
- Michigan State University, USA
- Kansas State University, USA
- Purdue University, USA

Other courses of interest

Agricultural Science	→170
Science	→90
Dairy Business	→177
Agri-Environmental Sciences	→178
Forestry	→181

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Food & Agribusiness Management

BAgrSc (Hons) (NFQ Level 8)

"Coming from a beef farming background in East Clare, Food and Agribusiness Management was the right course for me, as I have always had a huge interest in business and marketing and the agri-food industry both in Ireland and internationally. I found the science subjects in first and second year challenging but they were necessary to build the foundation for my final years. The highlight of my course was the opportunity to study abroad and the compulsory Professional Work Experience (PWE). In my third year, I studied at Purdue University, Indiana, USA for one semester. I then completed 30 weeks PWE, the majority of which I spent with an animal health company but I also spent time working on a beef and sheep enterprise and with a grain and agricultural merchant."

Aideen Burke Graduate

CAO Code **DN250 FAM**

CAO Points Range 2015 470— 600

Length of Course 4 Years

DN250 Places 160

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Agricultural Science	→170
Horticulture, Landscape & Sportsturf Management	→182
Dairy Business	→177
Food Science	→179

Why is this course for me?

During the Food & Agribusiness Management degree, you'll learn how the principles of economics and business management apply to farming, food production and marketing. You'll gain an understanding of how the Irish and international food systems deliver food products and services that people want, and how farmers and food manufacturers can produce profitably, while also taking care of the natural environment. The four-year degree provides a unique opportunity to understand both business and science, focusing on the agri-food sector – Ireland's largest indigenous industry. You'll learn skills that can be used across a wide range of jobs both within and outside the agri-food sector.

What will I study?

You'll study core science subjects in first year, and then develop your agribusiness knowledge with specialist modules.

First Year

Agribusiness • Agricultural Economics • Biology • Chemistry • Physics • Mathematics

Second Year

Management • Business Law • Marketing • Economics • Animal & Crop Sciences

Third Year

Finance • Food Chain Integrity • Meat Science • Econometrics • Professional Work Experience

Fourth Year

International Food Marketing • Enterprise Development & Strategy • Agri-Environmental Economics & Policy • Farm Business Management • Communications • Research project

Students spend an average of 40 hours a week attending lectures and tutorials and participating in laboratory-based workshops, and undertake independent study.

A combination of end-of-semester written examinations and continuous assessment is used. In your final year, you'll also prepare a project on a specific agribusiness research topic.

Career & Graduate Study Opportunities

Our graduates have an excellent record of finding employment in various sectors, including:

- Food processing
- Food distribution and marketing
- Financial services
- Consultancy services
- Agri-food media
- Farm management

Popular graduate study programmes include: MSc and PhD by research, in economic or business issues in agriculture and food; MSc in Marketing; MSc in Sustainable Agriculture & Rural Development and MSc Food Business Strategy.

Professional Work Experience (PWE) & International Study Opportunities

You will spend the second semester of your third year working in the food and agribusiness industry in Ireland or abroad. This helps you apply the knowledge you have gained, and can lead directly to employment following graduation.

There are also opportunities to take a semester abroad in third year. Possibilities include:

- University of California, USA
- Kansas State University, USA
- University of Queensland, Australia
- Cornell University, USA
- Purdue University, USA

KEY FACT

Graduates of this degree have reached senior positions as chief executives, business owners, plant managers, marketing managers and media editors.

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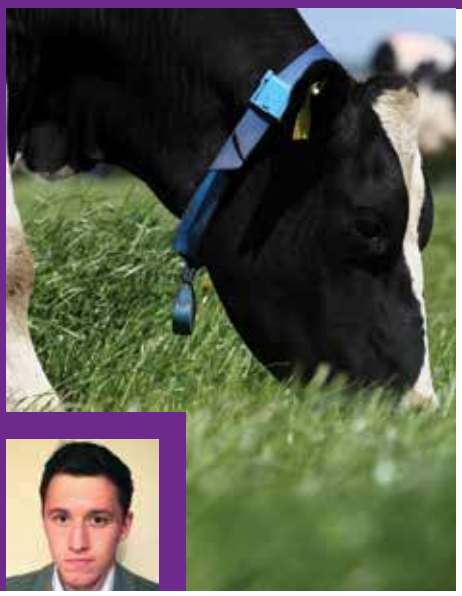
"Four years have come and gone since I entered UCD, not knowing what to expect from a relatively new degree, and myself having no direct agricultural background. Dairy Business is a fantastic degree which provides the individual with the knowledge and skills required to succeed in the modern Dairy Industry. The semester spent in Moorepark Research Centre in Fermoy Co. Cork was a great opportunity to interact with some of the leading experts in the world wide dairy industry, and to review their work and trials. The opportunity to be mentored by efficient, progressive farmers was another great experience. Returning to UCD in fourth year allowed me to consolidate all the information I had gained from the previous few years and leave me ready to enter the agricultural sector, either at farm or industry level."

Christopher Cahill Graduate



Dairy Business

BAgrSc (Hons) (NFQ Level 8)

CAO Code **DN252**

CAO Points Range 2015 445—550

Length of Course 4 Years

Places 20

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

The Irish dairy industry is in a time of significant change following the abolition of EU milk quotas on March 31, 2015. This change brings significant challenges and opportunities for young, highly skilled graduates from the Dairy Business programme. This degree is designed to equip future leaders of the dairy industry with the scientific, technical and business skills needed to cope with this business and enterprise expansion.

What will I study?

First & Second Year

You start with a range of business, science, mathematics and technology-related modules. You then build on this scientific base by taking a range of modules in relevant applied sciences, as well as business and communications-related modules.

Third & Fourth Year

In June of second year you'll undertake technical management of a dairy farm at Teagasc, Kildalton Agricultural College. This is followed by Professional Work Experience (PWE) placement in the dairy industry from July to December.

For semester two of third year you study at Teagasc Moorepark in areas including:

Grassland Management & Nutrition • Dairy Systems • Applied Breeding & Fertility • Herd Health • Dairy Business project

In fourth year you'll consolidate your understanding of earlier modules and pursue a range of business and science modules.

Students spend an average of 40 hours a week including: lectures and tutorials; laboratory and practical workshops; and independent study.

Assessment varies but involves a combination of projects, continuous assessment and end-of-semester examinations.

Assessment of PWE involves monthly reports, a final report and an interview upon completion.

Career & Graduate Study Opportunities

In addition to the highly skilled role of dairy farm management, opportunities exist in a wide variety of areas including:

- Research
- Animal feed industry
- Banking
- Teaching
- Consultancy

Research opportunities to master's and PhD level are available.

Professional Work Experience (PWE)

PWE takes place between July and December (first semester, third year) and offers you the opportunity to visit New Zealand at the busiest time of the dairy farming calendar.

KEY FACT

The UCD Lyons Dairy Research and Education Facility was officially opened on the 19th of January 2016 and is an excellent resource for Dairy Business students.

Other courses of interest

Agricultural Science →170
Animal & Crop Production →172
Animal Science →173
Animal Science — Equine →174
Food and Agribusiness Management →176

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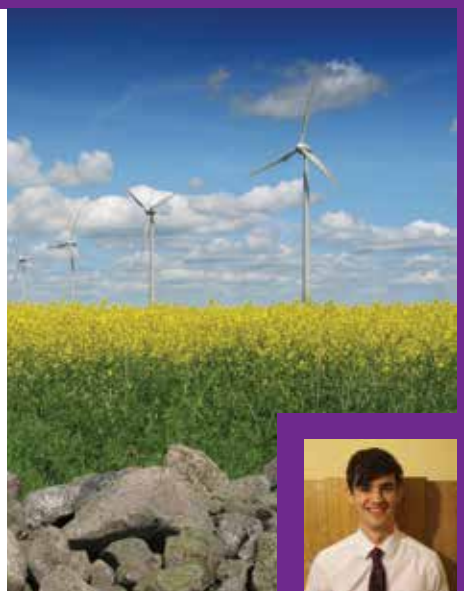
Agri-Environmental Sciences

BAgrSc (Hons) (NFQ Level 8)



"I have a passion for the environment, particularly how agriculture can interact with it in various positive and negative ways. This is what attracted me to the Agri-Environmental Sciences course at UCD. The course has an excellent mix of subjects that have been very beneficial and have provided me with a broad understanding of Agri-Environmental Sciences and its associated disciplines. The course also involves many field trips, which provides valuable practical experience.

For Professional Work Experience, I worked on a large dairy farm, in The Agri-Environmental Structures Division of The Department of Agriculture, Food and the Marine and I worked in the Teagasc Advisory Offices in Dundalk. The experience is very broad and has shown me the real world applications of both the agricultural and environmental aspects of the course."

Leo McGrane Graduate

CAO Code **DN253**

CAO Points Range 2015 410—480

Length of Course 4 Years

Places 20

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Other courses of interest

Agricultural Science	→170
Forestry	→181
Horticulture, Landscape & Sportsturf Management	→182
Animal & Crop Production	→172

www.ucd.ie/**myucd/ag**

Why is this course for me?

This degree focuses on sustainable management of natural resources (plants, animals, air, soils and water) within the context of agriculture and other land-based industries, and protection of the rural environment for future generations. This specialist applied science degree will equip you for a career at the interface between production agriculture and environmental protection, to give you:

- An understanding of rural environmental issues in Ireland, the EU and worldwide
- A detailed knowledge of sustainable agriculture and land management practice
- The skills to contribute in farming and land-use industries, as either a scientist, planner or policymaker
- First-hand experience of agri-environmental research as a basis for further studies
- Interpersonal and professional skills required in a wide range of career paths

What will I study?

First Year

Focuses on teaching basic sciences relevant to agriculture (especially biology and chemistry) and provides an introduction to rural land-use systems and environmental issues.

Second Year

Focuses on the principles of crop and animal production and applied agri-environmental sciences. Modules include: Ecology • Plant Biology • Soil Science • Applied Zoology • Microbiology • Genetics • Biotechnology

On completion of second year, you have the opportunity to develop real-world scientific field skills through participation in a week-long residential field course in the Burren, Co. Clare.

Third & Fourth Year

Focuses on the environmental impacts of agriculture while learning practical field and lab-based skills e.g. landscape analysis using GIS. You will also become familiar with national and international policies to protect rural environments. In fourth year, you complete a supervised research project and produce a thesis. This provides an opportunity to study a topic of your own choice more deeply, and gain practical experience of research and scientific writing.

Students spend an average of 40 hours per week attending lectures, tutorials and laboratory-based practical classes, and in undertaking independent study.

A combination of continuous assessment and end-of-semester written examinations is used. A number of modules also involve written assignments and/or project-based work.

Career & Graduate Study Opportunities

Many AES graduates follow career paths as environmental consultants. Others work in State agencies that require both agricultural and environmental management skills, including: Department of Agriculture, Food & the Marine • Teagasc • Environmental Protection Agency • National Parks & Wildlife Service • Local authorities

A high proportion of AES graduates go on to further studies at postgraduate level.

Professional Work Experience (PWE) & International Study Opportunities

A five-month period of structured PWE takes place in third year.

You can also elect to study abroad for one semester, at universities including: University of California, USA • University of Queensland, Australia • Purdue University, USA

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"I chose the Food Science programme at UCD as it offered a strong scientific and research-based approach to the diverse field of food production, in which I had long been interested. I have thoroughly enjoyed the coursework to date, which blends project work, laboratory work and group work extremely well. I carried out my five months of professional work experience in the quality assurance department of a dairy production company specialising in UHT products and ice cream. I found this to be a fantastic introduction to the industry and a means to apply the knowledge previously gained from the course, while also gaining knowledge which would prove invaluable in my final year. The food production industry is set to expand significantly in Ireland in the coming years and this course provides the perfect preparation for anyone wishing to enter it."

Jonathan Magan Graduate

Food Science

BSc (Hons) (NFQ Level 8)

CAO Code **DN261**

CAO Points Range 2015 485—595

Length of Course 4 Years

Places 40

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

Food Science develops your scientific knowledge of how to produce high-quality, safe and nutritious foods for the global market. As a food scientist you'll have a role to play in all aspects of the food chain, from production at farm level to the retailer, to the consumer.

What will I study?

First Year

Focuses on the core sciences of biology and chemistry. There is also an Introduction to Food, Diet & Health module to give a flavour of later stages of your degree.

Second, Third & Fourth Year

You cover the applied sciences, including:
Food Physics • Food Analysis • Microbiology • Sensory Science

You're introduced to Human Nutrition before progressing to the major food science modules, including:
New Product Development • Food Chemistry • Food Processing

The final year focuses on the technology and chemistry of meat, dairy and fermented foods. Food safety and marketing are important aspects of the course. You will also have an opportunity to undertake a research project.

The course involves attending lectures and completing laboratory practicals and sessions to give first-hand experience of operating food processing equipment. There are also many opportunities to work on team-based assignments.

The UCD Food Science Programme is internationally accredited by the Institute of Food Technologists (IFT). This award is granted to educational institutions that have food science programs which offer curricula and options that the IFT Higher Education Review Board has determined meet the IFT Undergraduate Education Standards for Degrees in Food Science.

Assessment involves end-of-term written exams and a variety of continuous assessments designed to develop skills for success, including report writing, oral, poster and video presentations, and food formulation exercises.

Career & Graduate Study Opportunities

Graduates have excellent employment prospects with national and international companies in:

- Production management
- Nutrition
- Food quality and safety
- Sales & marketing
- New product development and research

There are also excellent graduate study opportunities available.

Professional Work Experience (PWE) & International Study Opportunities

Five months' PWE in the food industry in third year is an integral part of the degree. Students are also encouraged to take a semester abroad and participate on the Agriculture Study Abroad Programme.

Possibilities include:

- Michigan State University, USA
- Purdue University, USA
- Kansas State University, USA
- University of California, Davis, USA
- University of Queensland, Australia
- Cornell University, USA

Other courses of interest

Agricultural Science →170
Human Nutrition →180
Food & Agribusiness Management →176

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Human Nutrition

BSc (Hons) (NFQ Level 8)

"My choice to study Human Nutrition as a degree stemmed from my love of science as a subject in school and my interest in health, particularly how our diet can influence this. There are countless career paths which you can pursue with a BSc in Human Nutrition. It is a particularly exciting field of study as it is constantly evolving due to continuous emerging research. Nutrition is a very topical subject at the moment, with current health epidemics in obesity and its related diseases. One of the best things about this degree is the 10-month work placement. I worked abroad for this as part of a nutrition research team. It was an amazing experience and gave me a clear idea of the type of career I want to pursue on graduating. It is a tight-knit course, but as part of the School of Agriculture and Food Science you are part of a bigger and exciting community within the college."

Doireann Sheridan Graduate

CAO Code **DN262**

CAO Points Range 2015 525 — 600

Length of Course 4 Years

Places 26

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

See www.ucd.ie/myucd/eu

Non-EU Applicants

See www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

None

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Health Screening & Garda Vetting

See page 185

Other courses of interest

Agricultural Science	→170
Food Science	→179
Medicine	→126
Commerce	→84

www.ucd.ie/**myucd/ag**

Why is this course for me?

Nutrition – the interaction between food and health – is becoming increasingly important in society. This degree covers many aspects of nutritional sciences, from biochemistry to molecular and public health nutrition, and also includes topics such as nutrition communication and food regulatory affairs. Upon graduating you'll be able to apply your knowledge to many different areas of the food and health industry.

What will I study?

The early years focus on core sciences and general food and health modules, which build your knowledge of biological systems and their application to human nutrition. After significant Professional Work Experience (PWE), final year focuses on specific areas of human nutrition.

First & Second Year

Core material (chemistry, biology, nutritional biochemistry) • Nutrients & the Role of Nutrition in Lifestages • Nutrition Research modules

Third & Fourth Year

10-month PWE • Molecular, Public Health & Clinical Nutrition • Nutrition & Communication • Food Regulation • Research Project

Students spend an average of 40 hours a week attending lectures and tutorials and participating in laboratory workshops, and undertake independent study.

A combination of end-of-semester written examinations and continuous assessment is used. In third and fourth year you'll complete comprehensive research projects.

AfN ACCREDITED COURSE

The Human Nutrition Programme at UCD is accredited by the Association for Nutrition.

Career & Graduate Study Opportunities

Graduates have found employment in:

- The food industry
- Nutrition research
- Health promotion

You can also train as a public health nutritionist through further study and/or applied practice. Food and health have been identified as strategically significant in UCD. As such, development of internationally recognised research groups in food and health in UCD has resulted in a substantial increase in recruitment of PhD and MSc (Research) posts.

Professional Work Experience (PWE) & International Study Opportunities

A 10-month PWE programme allows you to graduate with the skills necessary to enter the working world.

Opportunities for international study exist through the PWE component and, upon graduation, through world-class research groups in international universities.

KEY FACT

The UCD School of Agriculture and Food Science is the first destination of choice for students in Ireland interested in developing their careers in Agriculture, Food Science and Human Nutrition.

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"I come from a farm forestry background and have been interested in the Irish forestry industry from a young age. The forestry degree covers a broad range of science and forestry based modules for careers in forest research, forest planning, forest management, and beyond. Professional work experience is a fantastic opportunity to gain practical hands on experience in the forest sector. My PWE provided me an opportunity to work with Coillte Teoranta here in Ireland and with the Icelandic Forest Service (Skógrækt ríkisins). The fourth and final year of the forestry degree is very assessment and project based. As part of final year students also carry out a research project, this is an opportunity to pick a research area or aspect that is of interest to you. Students also have the opportunity to visit the Blackforest in Germany; this is a fantastic opportunity to see large scale forest plantations, mills and harvesting operations."

Mary Clifford Graduate

Forestry

BAgrSc (Hons) (NFQ Level 8)

CAO Code **DN271**

CAO Points Range 2015 360—460

Length of Course 4 Years

Places 20

Entry Requirements

English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants

see www.ucd.ie/myucd/eu

Non-EU Applicants

see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes

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

Level 6/7 Progression Routes

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

Mature Entry Route

Yes, see page 188

Why is this course for me?

Forestry is the science, art and practice of managing forests. Carbon sequestration, timber production, renewable energy resources, wildlife management, urban forestry, adaptation for climate change, and the conservation of genetic resources are all aspects of modern forestry that are covered in the course. Also covered are the protection and enhancement of biodiversity, soils and water quality, as they are highly relevant in the creation and management of forests that provide society with essential goods and services. Foresters employ the latest information and communication technology, such as geographic information systems (GIS), remote sensing, forest growth modelling and decision support systems to support good management and sustainable practice, and the course provides a good introduction to this technology.

What will I study?

A broad science-based first year is followed by forestry-focused topics in subsequent years. Fourth year is largely project-based and allows students to combine all of their accumulated skills and knowledge, while further developing their ability to communicate effectively.

First Year

Biology • Chemistry • Physics • Mathematics • Economics • Trees & Forests in Ireland • Elective modules

Second Year

Soil Science • Plant Ecology • Tree Structure & Function • Principles of Forestry • Professional Forestry Practice • Elective modules

Third Year

Forest Management • Forest Establishment • Forest Protection • GIS & Remote Sensing • Wood Science • Elective modules • Professional Work Experience

Fourth Year

GIS & Forest Inventory • Forest Management Plan • GIS & Experimental Design • Scientific Research Project • Elective modules

Students spend approximately 40 hours a week attending field work sessions and tutorials, and undertake independent study.

Assessment includes continuous assessment (e.g. class tests, essays) and end-of-semester written examinations. In your final year, assessments are largely based on the project reports.

Career & Graduate Study Opportunities

Forestry graduates find employment in all areas of the sector, including:

- State and semi-state agencies
- Forest management and consultancy
- Wood processing and renewable energy
- Environmental agencies
- Education and research
- Forestry contractors

Many graduates set up their own forestry businesses. Other opportunities include information technology, land-use planning and financial services. Research to master's and PhD levels is available.

Professional Work Experience (PWE) & International Study Opportunities

Forestry students complete five months' PWE and are encouraged to experience both Irish forestry and forestry in a foreign country.

In third year, a number of forestry students have studied for a semester in:

- Michigan State University, USA
- Purdue University, USA
- Iowa State University, USA

Other courses of interest

Agricultural Science →170

Agri-Environmental Sciences →178

Horticulture, Landscape & Sportsturf Management →182

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Horticulture, Landscape & Sportsturf Management

BAgrSc (Hons) (NFQ Level 8)

"Ever wondered why we prune an apple tree, or why trees gain glorious colours in the autumn? Then this programme can provide the answers. The small size of the horticulture class allows you to develop friendships and connections with your peers and lecturers, benefiting both your academic studies and social relations, which contribute to an overall enjoyable university experience.

Undoubtedly the most enjoyable and beneficial aspect of the programme was professional work experience. I gained invaluable experience and contacts in the course of my work experience. It provides a valuable insight into the professional working environment and an opportunity to discover where your true passion for horticulture lies."

Sarah Noonan Graduate

CAO Code **DN272**

CAO Points Range 2015 410—480

Length of Course 4 Years

Places 20

Entry Requirements
English • Irish • Mathematics • One laboratory science subject • 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

Other EU Applicants
see www.ucd.ie/myucd/eu

Non-EU Applicants
see www.ucd.ie/myucd/noneu

Level 5/6 FETAC Entry Routes
Yes, see www.ucd.ie/myucd/fetac

Level 6/7 Progression Routes
Yes, see www.ucd.ie/myucd/hetac

Mature Entry Route
Yes, see page 188

Other courses of interest

Agricultural Science	→170
Agri-Environmental Sciences	→178
Forestry	→181
Landscape Architecture	→150

Why is this course for me?

Horticulture is the art, science, technology and business of plant cultivation for human use. If you like biology or other science subjects, or you're interested in business studies, home economics or languages, then this course may be for you. It will give you an appreciation of the importance of plants for human life and well-being. The course covers the sciences, environmental studies, business, management and communications, as well as growing food and non-food plants. Landscape & Sportsturf Management focuses on the science behind developing and maintaining Ireland's designed landscapes, golf courses, tennis courts and sport pitches. The objectives of this degree are to give you:

- Knowledge of the growth, development and protection of plants, and use of plants for food, leisure, sports, social and environmental benefits
- An understanding of horticultural plant production systems and how their components are integrated and managed in an environmentally friendly and sustainable manner
- The skills to become a competent, competitive and confident leader who will excel in the national or global horticulture community as a professional horticulturist or horticultural scientist

What will I study?

You'll study core science subjects in first year, and then develop your horticulture knowledge with specialist modules.

First Year
Plants and People • Landscape & Sportsturf Management • Agricultural Economics • Biology • Chemistry • Physics • Mathematics

Second Year
Management • Soil Science Basics • Plant Ecology • Plant Biology • Fundamentals of Horticulture • Health, Welfare & Safety in Agriculture

Third Year
Plant Protection • Pests • Soil Science Applications • Plant Diseases: Biology & Control • Landscape, Trees & Shrubs • Professional Work Experience

Fourth Year
Food Production: Mushrooms, Fruits, Vegetables etc & PostHarvest Physiology • Enterprise Development & Strategy • Research project • Nursery, Garden Centre & Retail Horticulture • Professional Communications

Students spend an average of 40 hours a week attending lectures, tutorials and laboratory practicals and participating in industry site visits and field and greenhouse workshops, and undertake independent study and research.

Assessment includes continuous assessment (e.g. class tests, essays) and end-of-semester written examinations. In your final year, assessments are largely based on the project reports.

Career & Graduate Study Opportunities

This degree maintains strong links with the horticulture industry. Career opportunities include management, technical advisory, consultation, research, quality assurance and sales or marketing positions, working for companies or within your own business. Opportunities also exist in state, semi-state, EU and international organisations. Your transferable skills will make you highly employable in other industries. Master's and PhD degrees are also available.

Professional Work Experience (PWE) & International Study Opportunities

All or part of your five-month PWE in third year can be taken abroad, with possibilities including Japan, New Zealand, Australia, USA, Britain and Europe. Studying abroad for one semester is also a popular option for many students.

www.ucd.ie/**myucd/ag**

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Applying to UCD

Top Ten Tips for Applying to UCD **184**

What do I need to know before I apply? **185**

Information for applicants applying on the basis of:

Irish Leaving Certificate 186

A-Level/GCSE examinations 187

Other school-leaving examinations 187

Alternative Admissions Pathways **188**

Access Courses & Flexible Learning 188

Mature 188

Graduate Entry 189

FETAC 189

Disability Access Route to Education (DARE) 189

Higher Education Access Route (HEAR) 189

How do I apply? **190**

Central Applications Office (CAO) 190

Non-EU Applicants 190

Transfer Routes 190

Responsibility of Applicant 190

Assessment of Applications 190

Frequently asked questions **191**

Applying to UCD

Top Ten Tips for Applying to UCD

1

Talk to your guidance counsellor.

2

Study this prospectus and decide on a shortlist of the courses which interest you.

3

Check the entry requirements in this prospectus, or visit **www.ucd.ie/myucd/entryrequirements** for the most up-to-date information. Make sure you can meet the entry requirements for the courses you are considering.

4

Remember that the points are determined by supply and demand and may vary a lot from year to year, so don't focus too much on last year's points.

5

Include the courses which interest you, in your *genuine* order of preference.

6

Fill out your CAO form online. (It's cheaper if you do it before **20 January**.)

7

Make sure you include all relevant details:

- If you are repeating your Leaving Certificate ensure you include all exam numbers.
- If you are presenting a certificate other than the Irish Leaving Certificate or applying as a mature or transfer applicant, ensure you send all supporting documents directly to the CAO.

8

If you have even the slightest interest in a restricted application course, make sure to select it on your CAO form by **1 February** – you can always remove it later, but you can't add it later. Also ensure you apply for any relevant tests where necessary.

9

Check the statement you receive from the CAO in May, to make sure all details are correct. You can use the "change of mind" facility up to **1 July**, if you need to.

10

Remember, there are alternative routes to many of our courses, such as FETAC entry.

What do I need to know before I apply?

Is there an age requirement?

Yes. You must be 17 years of age by 15 January following entry. For entry in 2017, your date of birth must be on or before 15 January 2001. If you do not meet the age requirement and want to appeal this, you can write to the Registrar. Your letter must be accompanied by a letter of support from your School Principal. Your request will be then be considered.

Are there minimum entry requirements?

Yes, there are minimum entry requirements that all applicants, applying based on school-leaving results, must meet. This is known as matriculation. These requirements are available at **www.ucd.ie/myucd/matriculation**.

Is Irish always required?

A pass in Irish (O6/H7) in the Leaving Certificate is required for admission to all courses in UCD. However, you may be able to claim exemption if you were born outside the Republic of Ireland or in certain other circumstances (e.g. if you were educated outside Ireland for a significant period or have specific disabilities). Please see **www.ucd.ie/myucd/matriculation** for further details. Note, in some cases, if you are granted exemptions from Irish you may nevertheless present Irish as a subject for matriculation to fulfil the requirement to present a language other than English.

Are there any other subjects that are always required?

As English is the teaching language of the University, all applicants must have a pass (O6/H7) in English (or equivalent in other exams). Mathematics is required for many courses. In addition, some courses require a third language and/or a laboratory science subject. Full details are available in our *Summary Entry Requirements* document, available at **www.ucd.ie/myucd/entryrequirements**.

Are there other special entry requirements for courses?

- Applicants for Medicine (DN400) are assessed on a combination of their school-leaving qualifications and the Health Professions Admission Test – Ireland (HPAT – Ireland). In addition to the CAO application, applicants must register for the HPAT – Ireland at **www.hpat-ireland.acer.edu.au**.
- Applicants for mature and graduate entry for some courses will also need to take tests such as MSAP – Ireland or GAMSAT. See the Mature and Graduate Entry sections on page 188 and 189 for details.

Applicants for Veterinary Medicine DN300 are required to complete two weeks practical experience relevant to animal handling or veterinary practice. For more information see: **www.ucd.ie/vetmed**.

Are there any special requirements for courses with clinical or professional placements?

Health Screening

Candidates for admission to Medicine (DN400, DN401), Radiography (DN410), Physiotherapy (DN420), Biomedical, Health & Life Sciences (DN440), and Nursing & Midwifery (DN450, DN451, DN452, DN453), Human Nutrition (DN262) are required to undergo a mandatory healthcare screening process prior to admission and from time to time thereafter, in accordance with a stringent healthcare screening policy. There are associated fees for these procedures. Students applying to these courses can find further information on these processes and policies and an up-to-date list of courses requiring screening at **www.ucd.ie/registry/admissions**.

Student Garda Vetting

Applicants to certain courses will also be required to complete an application to the National Vetting Bureau and/or overseas police certificate. At present the courses requiring Student Vetting include Human Nutrition (DN262), Veterinary Nursing (DN310), Medicine (DN400 and DN401), Radiography (DN410), Physiotherapy (DN420) and Nursing & Midwifery (DN450, DN451, DN452, DN453). Details are available at **www.ucd.ie/registry/admissions**.

It is important to note that Healthcare Screening and Student Vetting are compulsory course requirements.

Fitness to Practise

Courses that lead to a professional qualification, and a licence to practise that requires students to undertake practical training in a professional environment, may be subject to the University's *Student Fitness to Practise Policy*. Students applying to such courses can find out more information at **www.ucd.ie/registry/academicsecretariat/pol.htm**.

For more frequently asked questions, please see

www.ucd.ie/myucd/admissionsfaq

Information for applicants applying on the basis of:

Irish Leaving Certificate

Minimum entry requirements

- To matriculate on the results of the Leaving Certificate, a student must present at least six recognised subjects selected according to course requirements (see Entry Requirements for each course) and must obtain at least Grade H5 in two subjects and Grade O6/H7 in the remaining four subjects.
- A student may normally combine the results of Leaving Certificate examinations obtained in different years for Matriculation Registration purposes. This concession applies to Matriculation Registration only; it does not apply to the calculation of points. However, it should be noted that students seeking to enter Medicine must meet the minimum entry requirements, including both Leaving Certificate points and matriculation, in the same sitting of the Leaving Certificate.

Acceptable subjects

All subjects of the current Leaving Certificate examination are accepted for Matriculation Registration purposes, with the following exceptions and qualifications:

i. Gaeilge – Bonnleibhéal (Irish – Foundation Level) will not be accepted for Matriculation Registration purposes.

ii. Mathematics Ordinary Alternative/ Foundation Level will be accepted for Matriculation Registration purposes, but not as a substitute for the subject Mathematics in courses for which the subject Mathematics is currently an entry requirement.

Leaving Certificate points are not awarded for either of these subjects.

Applicants presenting Leaving Certificate results from previous which include subjects no longer offered should email admissions@ucd.ie for advice with regard to acceptability and any exclusions which may apply.

NB

The Leaving Certificate Applied Programme is not an acceptable qualification for matriculation purposes.

Combination of subjects not permitted

- The subject "Physics and Chemistry" may not be presented with either "Physics" or "Chemistry".
- "Agricultural Economics" may not be presented with "Economics".
- "Classical Studies" may not be presented with "Latin" or "Greek".

Laboratory science subjects

The following subjects in the Irish Leaving Certificate are recognised laboratory science subjects:

Agricultural Science • Biology • Chemistry • Physics and Chemistry (Joint) • Physics

For Science (DN200) only, Applied Mathematics or Geography may also be used as a laboratory science subject.

For Veterinary Nursing (DN310) only, Home Economics (Social & Scientific) may also be used as a laboratory science subject.

Assessment of applications

Admission to most undergraduate courses is extremely competitive. Entry is normally based on the points system for students presenting Irish Leaving Certificate examinations. Points are awarded as follows.

%	Grade	Points Higher Paper	Points Ordinary Paper
90–100	1	100	56
80-89	2	88	46
70-79	3	77	37
60-69	4	66	28
50-59	5	56	20
40-49	6	46	12
30-39	7	37	N/A

	Grade	Points
Leaving Certificate Vocational Programme (LCVP) Link Modules	Distinction	66
	Merit	46
	Pass	28

Notes

- Minimum points requirements can change from year to year as they are dependent on demand for each course, as well as the number of places available.
- For entry in 2017, 25 additional points will be awarded for a grade H6 or better in Leaving Certificate Mathematics, where that subject is one of the six subjects being counted for points purposes.
- Applicants' performance in the Leaving Certificate examination is scored on their best results in no more than six individual subjects taken in the Leaving Certificate examination of any one year. This does not preclude an intending applicant from taking school-leaving examinations in two or more years. In this event, the choice of year for scoring purposes will be such as to ensure that each applicant is credited with the maximum possible score.
- It is still possible to achieve matriculation and subject requirements over more than one year. However, for admission to Medicine, applicants must achieve both the required subject grades and the points in the same sitting.
- The subjects and combinations of subjects not permitted for matriculation also apply when computing an applicant's points score.
- The points scores for Medicine are adjusted when combined with HPAT – Ireland. Please see **www.ucd.ie/myucd/hpat**.
- For scoring of pre 2017 Leaving Certificate examinations, please see **https://myucd.ucd.ie/admissions/cao-points-scoring.ezc**

A-Level/GCSE examinations

Minimum entry requirements

Grade C or better at GCSE or passes at A-Level are required in six recognised subjects. Two of those six subjects must be grade C or better at A-Level. Subjects must include relevant UCD course entry requirements. See **www.ucd.ie/myucd/alevel** for details.

NB

If you were born outside the Republic of Ireland, you do not require Irish as a subject for entry to UCD. However, you may present Irish as a subject for matriculation to fulfil the requirement to present a language other than English.

Acceptable subjects

Not all GCSE and A-Level subjects are recognised and some subjects may not be accepted in combination with one another. For further information and the list of the A-Level subjects acceptable for matriculation, consult the Entry Requirements section of the NUI website: **www.nui.ie**. The results of Leaving Certificate examinations and A-Level and GCSE examinations may not normally be combined for application purposes. AVCE subjects are not currently accepted for matriculation or entry purposes. UCD does not currently accept vocational or applied subjects.

Course-specific entry requirements

On each course page in this prospectus, you will find the specific subject requirements. The following provides examples of the A-level/GCSE equivalents for these requirements:

- Where Leaving Certificate O6 is shown, the minimum requirement is Grade C at GCSE
- Where Leaving Certificate O3 is shown, the minimum requirement is Grade B at GCSE
- Where Leaving Certificate H4 is shown, the minimum requirement is Grade C at A-Level
- Where Leaving Certificate H3 is shown, the minimum requirement is Grade B at A-Level

Grades required

As the number of eligible applicants is greater than the number of places available, admission to undergraduate courses is based on the points system.

Applicants will need to achieve grades equivalent to the Leaving Certificate points required to enter a UCD degree programme. A maximum of four A-Level (A2) or AS grades, not GCSE grades, will be considered for Leaving Certificate points comparison purposes. To compare A-Level grades to Leaving Certificate points, see the following table. For most recent information see **www.ucd.ie/myucd/alevel**

Indicative points equivalence

Indicative equivalence of A and AS-level examination grades with Irish Leaving Certificate points will operate for entry in 2017.

	Best 3	4th subject	
	A-Level	A-Level	AS
A*	180	60	
A	150	50	30
B	130	45	25
C	100	35	20
D	65	20	15
E	45	15	10

Notes

- A maximum of four recognised subjects will be counted (Please see **www.nui.ie/college/entry-requirements.asp** for details).
- If 4 A-levels are presented, the 4th A-level (lowest result) will be scored at a lower weighting.
- Applicants are scored on the basis of their best four A levels, or three A levels and an AS level in a different subject from the same or preceding year.
- Grades in the same subject in A2 and AS level cannot be combined.
- Only A-level grades awarded at the same date can be considered for computation.
- AVCE subjects are not accepted for matriculation or entry purposes.
- In 2017, 25 additional points will be awarded for a grade E or better in Mathematics at A2 level. This will apply to only ONE mathematics subject of Mathematics, Further Mathematics and Pure Maths where that subject is one of the four subjects being counted for points purposes.

NB

Mathematics and Pure Mathematics cannot be counted separately for points purposes.

Sample conversions (AS in lowercase)

Sample Grades	Points (no bonus)	Points (Maths bonus)
BBC	360	385
BBCd	375	400
CCCC	335	360
AABb	455	480
A*ABD	480	505
A*A*Aa	540	565
A*A*A*C	575	600

Other school-leaving examinations

Applicants from EU and European Economic Alliance (EEA) countries

Every EU country is currently represented amongst UCD's student body. Applicants must meet normal matriculation and entry requirements. Further information is available at **www.ucd.ie/myucd/eu**.

Non-EU applicants

UCD welcomes applicants from non-EU countries. Further information on application and entry requirements is available at **www.ucd.ie/international** (select 'Study at UCD' and your country) or from the UCD International Admissions Team (**internationaladmissions@ucd.ie**)

NB

If you were born outside the Republic of Ireland, you do not require Irish as a subject for entry to UCD.

www.ucd.ie/myucd/apply

Alternative admissions pathways

Mature Applicants

What is a mature applicant?

A mature applicant is anyone who is at least 23 years of age on 1 January of the proposed year of entry and whose school-leaving qualifications are insufficient for admission. For admission in September 2017, your date of birth must be on or before **1 January 1994**.

How do I apply?

For all our full-time, and some of our part-time, undergraduate degree programmes, mature applicants must apply through the **Central Applications Office (CAO)**. The application can be completed online at **www.cao.ie**.

For **Arts** (DN500-DN541), **Social Science** (DN550), **Law** (DN600 and DN610), **Agricultural Science** (DN250-DN271) and **Science programmes** (DN200-DN230), separate registration for the **MSAP-Ireland** assessment is required.

Further information is available at **http://msap-ie.acer.edu.au/**

For the Medicine programme(DN400), separate registration for the **HPAT-Ireland** examination is required.

Further information is available at **http://www.hpat-ireland.acer.edu.au/**

What should be included with my application?

Mature applicants may need to provide supplementary information *in addition* to their CAO application form.

Any supplementary information required (e.g. examination results, CV, personal statement) must be sent to the CAO with the completed application form. Those applying online (via **www.cao.ie**) must ensure that they forward supplementary information to the CAO immediately after submitting the online application.

The CAO Handbook contains useful advice regarding the application process. Applicants should read it carefully, taking particular note of the sections pertaining to mature student applications.

When should I apply?

The opening date for CAO applications is early **November 2016**. For most of our programmes the closing date is **1 February 2017**. Completed CAO application forms and all supplementary information should be returned to the CAO by this date. (There is a reduced application fee for applications made prior to 20 January.) Some courses may accept late applications up to **1 May 2017** but this is subject to the availability of places.

For dates of additional tests, please see page 205.

How are applications assessed?

All applications on the grounds of mature years received by the **1 February** closing date are forwarded from the CAO to UCD. The relevant Programme Board then evaluates applications. Generally, the Programme Board is looking for evidence of academic ability, as well as interest in and aptitude for the programme for which you have applied. See **www.ucd.ie/maturestudents** for details of what is taken into account for each programme.

NB

Applications submitted by **1 February** are processed and forwarded to the relevant Programme Boards by mid-March. Applicants must ensure that all supporting documentation is submitted to the CAO within seven days of application.

When will I know the outcome of my application?

If you're offered a place you'll receive an official offer from the CAO, usually in early July. However, we generally advise mature applicants of the decision in advance when the decisions are received from the Programme Board. Please note that, in accordance with CAO procedures, applicants will only be offered their highest successful preference so it is extremely important that you fill out your CAO choices in order of *genuine preference*.

The CAO offer will state the date by which you must accept the place. Places that have not been accepted by that date will be offered to other applicants at a later stage. Consequently, mature applicants may receive an offer in later rounds. **If you plan to be away from home between July and September, make sure to access the CAO online to check the status of your application or arrange for someone to deal with your post for you.**

Please Note

You must ensure that *all* relevant information is submitted to the CAO. **There is no separate UCD application form, although some courses require a supplementary statement.**

www.ucd.ie/maturestudents provides advice for personal statements. Your documents must arrive in the CAO within seven days of the submission of the online application.

Contact us with your queries

UCD Registry - Admissions is available to help with the application process. You can email your query to **mature.students@ucd.ie.** We also have dedicated time set aside for calls from mature applicants from **October to April**.

Please call Emma Donnelly at **01 716 1536** between the following hours: Mon - Fri 10:00 - 12:00 and 14:00 - 16:00

Access Courses & Flexible Learning

UCD Adult Education Centre offers part-time access courses, which prepare adults for third-level study. Two access courses are available: Access to Arts & Human Sciences, and Access to Science, Engineering and Agriculture.

For more information, contact UCD Adult Education Centre: Call **+353 1 716 7123** or visit **www.ucd.ie/adulted**

UCD has developed an alternative "Open learning" option for adult learners. This initiative is an attractive option for "flexible" or "occasional" students who wish to taste and experience *Horizons* modules. Modules include Archaeology, History and other subjects of interest to lifelong learners. Modules can be taken for audit or for credit. Each module carries 5 ECTs. There are no formal entry requirements – all learners are welcome.

For further information visit **www.ucd.ie/adulted/openlearning** or call **+353 1 716 7123**.

Graduate Entry

There are graduate entry pathways available to the following undergraduate degrees:

- DN300 Veterinary Medicine (five-year programme)
- DN301 Veterinary Medicine (four-year programme)
- DN401 Medicine (Graduate Entry only)
- DN420 Physiotherapy

Further information is available on our website **www.ucd.ie/maturestudents**

Note

For the graduate entry routes to **Medicine** and **Veterinary Medicine** separate application for **GAMSAT** is also required. The CAO closing date is **1 February 2017**.

Further information is available at **http://gamsat.acer.edu.au/**

FETAC Applicants

Applicants with appropriate FETAC (Level 5 or 6) qualifications and modules, with a minimum of distinction in five modules, can be admitted on a competitive basis to the following degree programmes at UCD:

- DN200 Science (BSc)
- DN201 Computer Science (BSc)
- DN250 Agricultural Science (BAgrSc)
- DN252 Dairy Business (BAgrSc)
- DN253 Agri-Environmental Sciences (BAgrSc)
- DN261 Food Science (BSc)
- DN271 Forestry (BAgrSc)
- DN272 Horticulture, Landscape and Sportsturf Management (BAgrSc)
- DN310 Veterinary Nursing (BSc)
- DN450 Nursing (General) (BSc)
- DN451 Nursing (Children's & General) (BSc)
- DN452 Midwifery (BSc)
- DN453 Nursing (Mental Health) (BSc)
- DN500 BA – Joint Honours
- DN550 Social Science (BSocSc)
- DN650 Commerce (BComm)

In all cases, places in each of these programmes will be available on a competitive basis to qualified students.

Please see **www.ucd.ie/myucd/fetac** for full details

Disability Access Route To Education (DARE)

The Disability Access Route to Education (DARE) is a supplementary admissions scheme for school leavers with disabilities. School leavers who meet the eligibility criteria compete for a quota of places allocated to applicants on a reduced-points basis in UCD. All applicants must meet the Irish Leaving Certificate (or equivalent) matriculation/ minimum entry and subject requirements.

Who should apply to DARE?

DARE is for school leavers (under 23 years old as at **1 January 2017**) who have the ability to benefit from and succeed in higher education but who may not meet the points for their preferred course due to the impact of a disability. Mature and FETAC students have different admissions routes – please see relevant sections on page 18.

How to apply to DARE?

STEP 1
School leavers must apply to the CAO at **www.cao.ie** by **5.15pm on 1 February 2017**.

STEP 2
If you wish to be considered for the DARE scheme you must disclose your disability and/or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (the SIF is a part of your CAO application) and return it no later than **5.15pm on 1 March 2017**.

STEP 3
Applicants must then complete and return Sections B and C of the SIF to arrive at the CAO by **5.15pm on 1 April 2017**.

Conditions of a DARE Offer

Students who receive a DARE offer must register with the UCD Access Centre for Disability Support and agree to a schedule of meetings.

More information on DARE is available from your school guidance counsellor or from the UCD Access Centre. Information can also be found on: **www.accesscollege.ie**, **www.cao.ie** and **www.ucd.ie/openingworlds/ucdaccesscentre**.

Higher Education Access Route (HEAR)

The Higher Education Access Route (HEAR) is a college and university scheme which offers places on reduced points and extra college support to school leavers from socio-economically disadvantaged backgrounds who are resident in the Republic of Ireland.

Who should apply to HEAR?

School leavers from socio-economically disadvantaged backgrounds who are under the age of 23 as of **1 January 2017** and who are resident in the Republic of Ireland may apply to HEAR.

How to apply to HEAR?

STEP 1
Apply online to the CAO by **5.15pm on 1 February 2017**.

STEP 2
No later than **5.15pm on 1 March 2017**, you must indicate in your CAO application that you wish to apply for the HEAR scheme and you must fully and correctly complete all elements of the HEAR form. (The HEAR form is a part of your CAO application.)

STEP 3
Submit relevant evidence in support of your application to arrive at the CAO by **5.15pm on 1 April 2017**.

HEAR applications can only be made online at **www.cao.ie**.

Students who accept places in UCD through HEAR must attend a compulsory Orientation Programme. HEAR students are offered a variety of academic, personal and social supports while studying at third level.

More information on HEAR is available from your school guidance counsellor or the UCD Access Centre.

More information on HEAR is available from your school guidance counsellor of the UCD Access Centre. Information can also be found on **www.accesscollege.ie**, **www.cao.ie** and **www.ucd.ie/openingworlds/ucdaccesscentre**.

www.ucd.ie/myucd/apply

How do I apply?

Applying to UCD is very straightforward. There is online help available, or you can come to our Open Days for detailed sessions on applying. Of course, you can always contact us for advice at **admissions@ucd.ie**

EU/EEA Applicants

Those who are applying for admission to the first year of an undergraduate programme in UCD – whether on the basis of the Irish Leaving Certificate, or as an applicant from another EU/EEA country, on grounds of mature years, via the HEAR or DARE routes, or on the basis of FETAC – apply via the Central Applications Office (CAO). Applications can be made online at **www.cao.ie**. The normal closing date is **1 February 2017** but there is a reduced application fee for applications made prior to **20 January 2017**.

All applications are processed in accordance with the regulations, procedures and timetable described in the CAO Handbook, which is available from the CAO office and on **www.cao.ie**. The handbook is the critical guide to making a CAO application and goes through the relevant regulations and procedures in detail. All applicants should familiarise themselves with this handbook.

The closing date for receipt of late applications is **1 May 2017** at an additional cost. Late applications are not permitted for the following restricted courses, as assessments take place prior to the late closing date:

- DN301 Veterinary Medicine (Graduate Entry)
- DN400 Medicine
- DN401 Medicine (Graduate Entry)

However, applicants may add any of these courses (except DN301) to their application during the CAO Change of Mind period, provided their CAO application at **1 February 2017** included the same course at another institution.

Applicants seeking admission through routes for which additional assessment is required may not be eligible to make a late application (e.g. Mature, HEAR and DARE). Please check the relevant web pages at **www.ucd.ie/myucd** for details.

Non-EU Applicants

UCD welcomes applicants from non-EU countries. Non-EU students are eligible to apply for admission to a limited number of places in all programmes except for Nursing courses.

Application is made via **www.ucd.ie/international/apply** except where an agent is used. Further information on application and entry requirements is available at **www.ucd.ie/international** (select 'Study at UCD' followed by your country selection) or on request from the UCD International Admissions Team (**internationaladmissions@ucd.ie**).

How do I know if I am an EU or non-EU applicant?

Applicants who are unsure whether to apply as an EU applicant via the CAO or direct as a non-EU applicant should follow the EU fee assessment link on **www.ucd.ie/fees** – please note fees status cannot be changed following admission.

Transfer Routes

Applicants who have previously attended third level and wish to start a new course in first year should apply via the CAO. They must declare their previous third-level attendance on the form. Applicants seeking admission to second year or later apply directly to UCD at **www.ucd.ie/myucd/transfer**. In either case, applicants should read **www.ucd.ie/myucd/transfer** for full details of regulations

Responsibility of Applicant

Whether applying via the CAO or directly to UCD, it is the responsibility of the applicant to ensure that the application is submitted accurately and on time.

It is the responsibility of applicants to provide full and accurate information in their application and to notify the University of any changes or corrections to the original application. UCD may request verification from the issuing authority of any or all details on documentation presented. If documents are found to have been falsified the awarding body will be notified. Applicants should be aware of the terms and conditions of an offer when accepting. Please see **www.ucd.ie/registry/admissions/terms.html**.

In the light of additional information which was not available at the time of selection, an offer may be amended or, in exceptional circumstances, withdrawn. The University also reserves the right to correct errors where they have been made in the communication of decisions and offers.

The University reserves the right to exclude a candidate who is considered on justifiable grounds to be unsuitable for a place on a particular course according to individual circumstances.

Assessment of Applications

Applications can only be assessed on the basis of information provided with the application. For CAO applicants, all documentation and examination results (including any exemptions granted by NUI), which are being presented for assessment for entry to UCD, must be with UCD Registry Admissions or the CAO no later than the dates below:

Irish Leaving Certificate: 16 August 2017

A-Levels: 17 August 2017

Other school-leaving exams: 31 July 2017

Other applicants: Please see relevant sections. It may not be possible to gain entry in the current year if documents and/or results are presented later than the relevant dates. This includes rechecked Leaving Certificate results. UCD reserves the right to seek verification from awarding bodies of any documentation presented. Originals of documents may be required at registration.

Non-EU applicants and post-initial-year transfer applicants, please see **www.ucd.ie/apply** for instructions on submitting documents.

Frequently asked questions

I have qualifications other than the Irish Leaving Certificate. What documents do I need to send to the CAO?

If any of the following documents are relevant to you, they should be included with your CAO form:

- For any exams other than Irish Leaving Certificate 1985 onwards, send final results and certificates if available (See CAO Handbook for full details).
- If you are taking 2017 exams mention them in your CAO Application and forward the results as soon as they are issued.
- Send transcripts of any previous third-level attendance.
- Send personal statement if applying as a mature applicant (A template is available at **www.ucd.ie/maturestudents**).
- In addition, applicants applying via HEAR or DARE will need supporting documentation.

Do I send copies or originals?

You should *not* send originals (except for Graduate Entry Medicine where originals are required). For all others, certified copies suffice (e.g. certified by a school stamp). If you are admitted we will need to view your original documents for verification purposes.

What documents do I need for Graduate Entry Medicine?

For Graduate Entry Medicine, the CAO must receive an original of your transcript and proof of award. The date of conferring stated clearly on the transcript will suffice for proof of award. Alternatively, a certified copy of the parchment is required. Please see the Graduate Entry Medicine section on **www.cao.ie** for further details.

How long is my GAMSAT result valid for?

GAMSAT results are valid for two years.

I'm an EU applicant for Graduate Entry Medicine. Do I need to take an English language test?

No. Gaining a sufficient result in GAMSAT to gain admission will be taken as proof of English level.

My results are not in English. Do I need a translation?

A certified English translation is required for any qualifications not issued in Irish or English. When sending a translation, also include a copy of the untranslated document.

How do I know if I am an EU or non-EU applicant?

Applicants who are unsure whether to apply as an EU applicant via the CAO or direct as a non-EU applicant should follow the EU fee assessment link on **www.ucd.ie/fees** – please note fees status cannot be changed following admission. Please contact **www.ucd.ie/studentdesk/contact** with any queries.

When does the UCD term start?

Lectures are scheduled to start on **11 September 2017**. However, there are also compulsory orientation events for first-year students in the previous week and you should expect to be on campus from **5 September 2017**.

If I am offered a place, is there anything else I will need to do?

If you accept a place for some courses in UCD, you will be required to have health checks and/or undergo Student Garda (Police) Vetting. See page 185.

It is important to note that Healthcare Screening and Student Vetting are compulsory course requirements.

If I get a place, can I defer (take a gap year) before starting?

Yes, it is possible to defer entry to UCD for a year (except DN301). Full details of the deferral procedures and terms and conditions are available at **www.ucd.ie/myucd/defer** and in the CAO handbook.*

Please note: there is a limit on the number of deferrals which can be granted.

Where can I get information about fees?

Please see **www.ucd.ie/fees**. See also page 17.

For full list of FAQs please see:

www.ucd.ie/registry/admissions/faqs.html

UCD Entry in CAO Handbook 2017

DUBLIN

UNIVERSITY COLLEGE DUBLIN

www.ucd.ie

(Continued)

Honours Bachelor Degrees - Level 8 (HD)

Apply by inserting the Codes below in the Level 8 Section of the Application Form.

Code	Title (NOT to be entered on Application Form) Honours Bachelor Degrees - Level 8
DN 100	Architecture
DN 120	Landscape Architecture
DN 150	Engineering - Common entry with degree options in : • Biomedical Engineering • Biosystems & Food Engineering • Chemical and Bioprocess Engineering • Civil Engineering • Civil, Structural & Environmental Engineering • Electronic & Computer Engineering • Electronic Engineering • Electrical Engineering • Electrical Energy Engineering • Engineering with Business • Energy Systems Engineering • Materials Science and Engineering • Mechanical Engineering • Structural Engineering with Architecture
DN 200	Science - **You can apply for DN200 only ONCE.** You must select **ONE** of the following options: NPF, BBB, CCS or MPG

NPF **No Preference**	**BBB** **Biological, Biomedical and Biomolecular Sciences**	**CCS** **Chemistry and Chemical Sciences**	**MPG** **Mathematical, Physical and Geological Sciences**
Applicants study different subjects and decide on their stream at the end of the first semester in first year. Applicants are guaranteed their stream of choice. The Degree Options available in each stream are listed in the adjacent columns.	*Degree Options:!* • Biochemistry and Molecular Biology • Cell and Molecular Biology • Environmental Biology • Genetics • Microbiology • Neuroscience • Pharmacology • Physiology • Plant Biology • Zoology • Biology and Mathematics Education *	*Degree Options:* • Chemistry • Chemistry with Biophysical Chemistry • Chemistry with Environmental and Sustainable Chemistry • Medicinal Chemistry and Chemical Biology • Chemistry and Mathematics Education *	*Degree Options:* • Applied & Computational Mathematics • Mathematics • Financial Mathematics • Mathematical Science • Statistics • Physics • Physics with Astronomy and Space Science • Theoretical Physics • Geology • Applied Mathematics and Mathematics Education * • Physics and Mathematics Education *

Applicants who select a specific stream (BBB or CCS or MPG) are guaranteed a place in a degree course from within that stream.
Applicants who want to sample a number of subjects choose DN200 No Preference (NPF) and are also guaranteed their stream of choice at the end of Semester 1.
All applicants from one stream may study subjects from another stream in first year.
All applicants may change their choice of stream during first year.
*These degree options are 5 year courses. Students graduate with a Level 8 BSc in Mathematics and Science and then an MSc in Mathematics and Science Education.

DN 201	Computer Science - Common entry with guaranteed choice (selected at the end of second year) to pursue one of the following degree options : • Computer Science • Computer Science with Data Science
DN 230	Actuarial and Financial Studies

(Continued)

DUBLIN

UNIVERSITY COLLEGE DUBLIN

www.ucd.ie

(Continued)

Honours Bachelor Degrees - Level 8 (HD)

Apply by inserting the Codes below in the Level 8 Section of the Application Form.

Code	Title (NOT to be entered on Application Form) Honours Bachelor Degrees - Level 8	
DN 250	Agricultural Science - **You can apply for DN250 only ONCE.** You must **se**lect **ONE** of the following options: NPF, ACP, ASC, EQS, ENT or FAM	
	NPF **No Preference** Applicants undertake a range of subjects and can decide on their degree option during the second semester in first year. The Degree Options available are listed in the adjacent columns.	**ACP** **Animal and Crop Production** **EQS** **Animal Science - Equine** **ASC** **Animal Science** **FAM** **Food and Agribusiness Management** **AST** **Agricultural Systems Technology**
	Applicants who select a specific degree option (e.g. ACP, ASC, AST, EQS, or FAM) are guaranteed a place in that degree programme. Applicants who want to sample a number of subject areas choose DN250 NPF. All applicants may change their selection during first year and are guaranteed a place in any of the five degree options.	
DN 252	Dairy Business	
DN 253	Agri – Environmental Sciences	
DN 261	Food Science	
DN 262	Human Nutrition	
DN 271	Forestry	
DN 272	Horticulture, Landscape and Sportsturf Management.	
DN 300	Veterinary Medicine - **Undergraduate Entry**	*(Restricted - see page 3)*
DN 301	Veterinary Medicine - **Graduate Entry**	*(Restricted - see page 3)*
DN 310	Veterinary Nursing	
DN 400	Medicine - **Undergraduate Entry**	*(Restricted - see page 3)*
DN 401	Medicine - **Graduate Entry**	*(Restricted - see page 3)*
DN 410	Radiography	
DN 420	Physiotherapy	
DN 425	Health and Performance Science	
DN 430	Sport and Exercise Management	
DN 440	Biomedical, Health and Life Sciences	
DN 450	General Nursing	*(If mature, see page 11)*
DN 451	Children's and General Nursing (Integrated)	*(If mature, see page 11)*
DN 452	Midwifery	*(If mature, see page 11)*
DN 453	Mental Health Nursing	*(If mature, see page 11)*
DN 500	BA Degree - joint honours	*See Page 63 for Subject Preference selection*
DN 510	Economics	
DN 511	English	
DN 513	English with Film	
DN 514	Planning, Geography and Environment	
DN 515	History	
DN 519	Psychology	

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UCD Entry in CAO Handbook 2017

DUBLIN

UNIVERSITY COLLEGE DUBLIN

www.ucd.ie

(Continued)

Honours Bachelor Degrees - Level 8 (HD)

Apply by inserting the Codes below in the Level 8 Section of the Application Form.

Code	Title (NOT to be entered on Application Form) Honours Bachelor Degrees - Level 8
DN 541	International Languages - **You can apply for DN541 only ONCE**. You must select **ONE** of the following options (e.g. DN541 FGE [French/German]) which represent your preferred two-language option. Applicants wishing to take three languages may select a third **at the start of term.**
DN 550	Social Science Year 1 subjects: Sociology and Social Policy (core subjects) with options in Archaeology, Economics, Geography, Information and Social Computing, Philosophy, Politics and Psychology Students then choose one of eight pathways: • Development Studies • Crime and Social Order • Environment • Human and Organisational • Social Media • Rights, Justice and Society • Social Work • Ancient and Modern Societies
DN 600	Law - **You can apply for DN600 only ONCE**. You must **se**lect **ONE** of the following options: BCL, LCS, LES, LFL, LHY,LIH, LPS, LPY or LSJ Applicants must select one degree option (e.g. DN600 LHY [Law with History]) at time of application. If an offer of a place is made within DN600, you are guaranteed a place in the degree option chosen. ** Suitably qualified candidates may be offered the opportunity at the end of first year to proceed to the BCL/Maitrise programme. For further details see the UCD Prospectus entry for Law with French Law
DN 610	Business and Law
DN 650	Commerce
DN 660	Commerce International - **You can apply for DN660 only ONCE.** You must select ONE of the following options (e.g. DN660 FRG [French/German]) which represent your preferred two-language option. Following semester 1, students will decide which language to continue with to degree level (Minor) and which language to drop.
DN 670	Quantitative Business - **You can apply for DN670 only ONCE**. You must **se**lect **ONE** of the following options: NPF, BSA or ECF Applicants who select a specific degree option (BSA or ECF) are guaranteed a place in that degree programme. Applicants who want to sample a number of subject areas choose DN670 NPF. All applicants may change their selection during first year and are guaranteed a place in any of the two degree options.

	French	German	Italian	Spanish
French	-	FGE	FIT	FSP
German	FGE	-	ITG	GSP
Italian	FIT	ITG	-	TSP
Spanish	FSP	GSP	TSP	-

	BCL Law (BCL)	LCS Law and Chinese Studies	LES Law with Economics	LFL Law with French Law**	LHY Law with History
	LIH Law with Irish	LPS Law with Politics	LPY Law with Philosophy	LSJ Law with Social Justice	

	French	German	Italian	Spanish	Chinese
French	-	FRG	FRI	FRS	FRC
German	FRG	-	GRI	GRS	GRC
Italian	FRI	GRI	-	ITS	ITC
Spanish	FRS	GRS	ITS	-	SPC
Chinese	FRC	GRC	ITC	SPC	-

NPF No Preference	BSA Business Analytics	ECF Economics and Finance

(Continued)

DUBLIN

UNIVERSITY COLLEGE DUBLIN

www.ucd.ie

(Continued)

Note 1 You can apply only **ONCE** for **DN500.** See UCD Prospectus for further information on subject choice.
You **must** select **ONE** of the options from the table below which represents your two-subject preference (e.g. Archaeology and Italian is DN500 AIT)

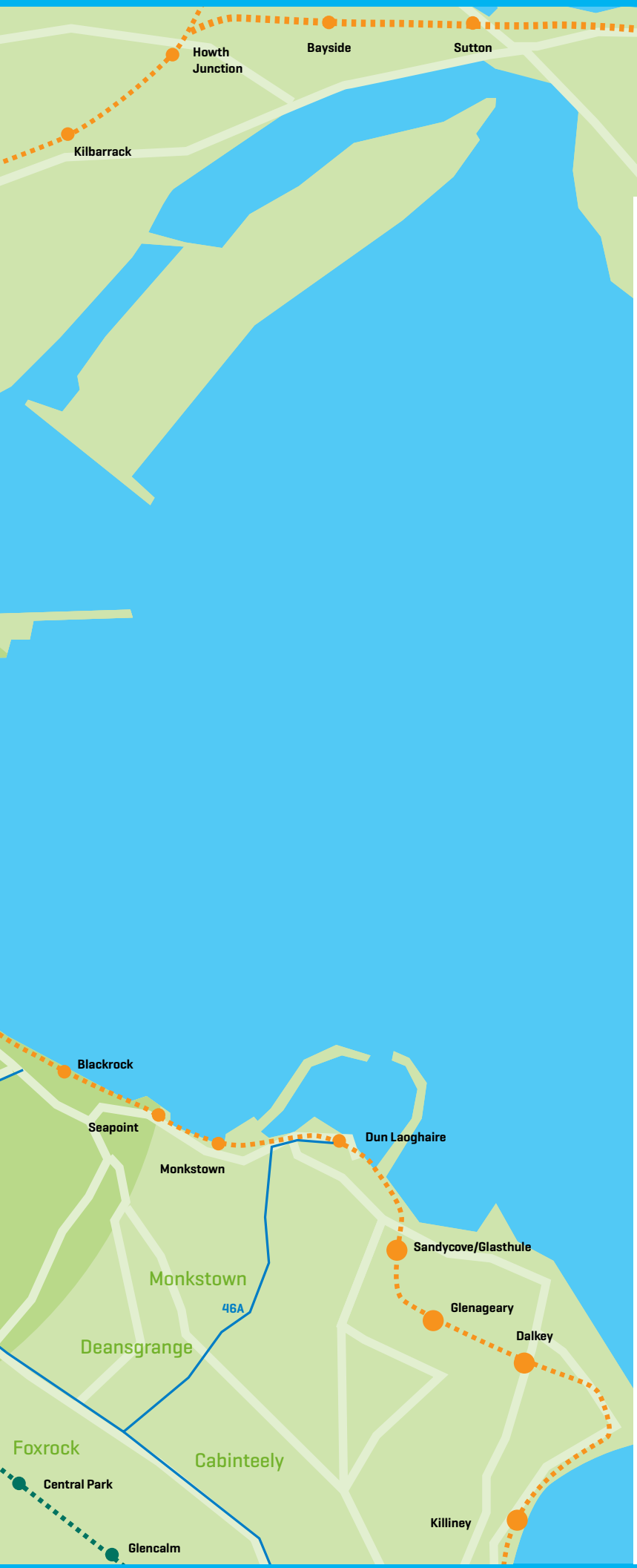
These Subject Preference codes are for the DN500 course only.

	Archaeology	Art History	Celtic Civilization	Drama Studies	Economics	English	French	Geography	German	Greek and Roman Civilization	History	Information and Social Computing	Irish	Irish Folklore	Irish Studies	Italian	Linguistics	Mathematics	Music	Philosophy	Politics and Intl Relations	Sociology	Spanish	Statistics
Archaeology	-	AAH	ACE	DAR	AEC	-	AFR	AGY	AGE	AGR	ACH	AIS	AIR	AIF	AID	AIT	ALI	AMA	AMU	APH	-	ASO	ASP	STA
Art History	AAH	-	AHC	DAH	-	AHN	AHF	RGY	RGE	-	AHH	RIS	RIR	-	AHD	RIT	-	RMA	RMU	RPH	RPO	RSO	RSP	AST
Celtic Civilization	ACE	AHC	-	-	CEC	CEN	-	-	CGE	CGR	CHY	CIS	CIR	CIF	CED	CIT	CLI	CMA	CMU	CPH	CPO	CSO	CSP	STC
Drama Studies	DAR	DAH	-	-	DEC	DEN	-	-	DGE	DGR	DHY	DIS	DIR	DIF	DIS	DIT	DLI	DMA	DMU	DPH	DPI	DSO	DSP	DST
Economics	AEC	-	CEC	DEC	-	EEN	EFR	EGY	EGE	-	EHY	EIS	EIR	-	EID	EIT	-	EMA	EMU	EPH	EPO	ESO	ESP	STE
English	-	AHN	CEN	DEN	EEN	-	ENF	NGY	NGE	NGR	ENH	NIS	NIR	NIF	END	NIT	NLI	NMA	NMU	NPH	-	NSO	NSP	EST
French	AFR	AHF	-	-	EFR	ENF	-	-	FGE	FGR	FHY	FIS	FIR	FIF	FID	FIT	FLI	FMA	FMU	FPH	FPO	FSO	FSP	STF
Geography	AGY	RGY	-	-	EGY	NGY	-	-	GYG	GYZ	GYH	ISY	GYI	GYF	GYD	ITY	GYL	MAY	GYM	PHY	POY	SOY	SPY	STG
German	AGE	RGE	CGE	DGE	EGE	NGE	FGE	GYG	-	GEZ	GEH	-	GEI	GIF	-	ITG	GEL	-	GEM	-	POG	SOG	-	GST
Greek and Roman Civilization	AGR	-	CGR	DGR	-	NGR	FGR	GYZ	GEZ	-	GRH	ISZ	GRI	-	GRD	ITZ	-	MAZ	GRM	PHZ	POZ	SOZ	SPZ	STZ
History	ACH	AHH	CHY	DHY	EHY	ENH	FHY	GYH	GEH	GRH	-	HIS	HIR	HIF	HID	HIT	HLI	HMA	-	HPH	HPO	HSO	HSP	-
Information and Social Computing	AIS	RIS	CIS	DIS	EIS	NIS	FIS	ISY	-	ISZ	HIS	-	IRS	IFS	-	ITS	LIS	-	MUS	-	POS	SIS	-	STI
Irish	AIR	RIR	CIR	DIR	EIR	NIR	FIR	GYI	GEI	GRI	HIR	IRS	-	IIF	IRD	-	ILI	IMA	IMU	IPH	IPO	-	ISP	IST
Irish Folklore	AIF	-	CIF	DIF	-	NIF	FIF	GYF	GIF	-	HIF	IFS	IIF	-	IFD	ITO	-	MAO	MUO	PHO	POO	SOO	SIF	IFT
Irish Studies	AID	AHD	CED	DIS	EID	END	FID	GYD	-	GRD	HID	-	IRD	IFD	-	ITD	LID	-	MUD	-	POD	SOD	-	IRT
Italian	AIT	RIT	CIT	DIT	EIT	NIT	FIT	ITY	ITG	ITZ	HIT	ITS	-	ITO	ITD	-	TLI	TMA	TMU	ITP	TPO	-	TSP	ITT
Linguistics	ALI	-	CLI	DLI	-	NLI	FLI	GYL	GEL	-	HLI	LIS	ILI	-	LID	TLI	-	LMA	LMU	LPH	LPO	LSO	LSP	STL
Mathematics	AMA	RMA	CMA	DMA	EMA	NMA	FMA	MAY	-	MAZ	HMA	-	IMA	MAO	-	TMA	LMA	-	MUM	-	POM	SOM	-	STM
Music	AMU	RMU	CMU	DMU	EMU	NMU	FMU	GYM	GEM	GRM	-	MUS	IMU	MUO	MUD	TMU	LMU	MUM	-	PHU	POU	SOU	SPU	-
Philosophy	APH	RPH	CPH	DPH	EPH	NPH	FPH	PHY	-	PHZ	HPH	-	IPH	PHO	-	ITP	LPH	-	PHU	-	PHP	PHS	-	STP
Politics and Intl Relations	-	RPO	CPO	DPI	EPO	-	FPO	POY	POG	POZ	HPO	POS	IPO	POO	POD	TPO	LPO	POM	POU	PHP	-	SOP	SPO	PST
Sociology	ASO	RSO	CSO	DSO	ESO	NSO	FSO	SOY	SOG	SOZ	HSO	SIS	-	SOO	SOD	-	LSO	SOM	SOU	PHS	SOP	-	SPS	STS
Spanish	ASP	RSP	CSP	DSP	ESP	NSP	FSP	SPY	-	SPZ	HSP	-	ISP	SIF	-	TSP	LSP	-	SPU		SPO	SPS	-	SPT
Statistics	STA	AST	STC	DST	STE	EST	STF	STG	GST	STZ	-	STI	IST	IFT	IRT	ITT	STL	STM	-	STP	PST	STS	SPT	-

Map of UCD Campus

*The O'Reilly Hall hosts the Undergraduate UCD Open Day on Saturday 5th November 2016


Finglas
Artane
Coolock
Glasnevin
Whitehall
Raheny
Ashtown
Broombridge
Donnycarney
Raheny
Killester
Drumcondra
Harmonstown
Fairview
Drumcondra
Clontarf Road
Clontarf
39A
27X
32X
Museum
Smithfield
Four Courts
Jervis St
Abbey St
Busaras
Connolly
George's Dock
Mayor Street
Spencer Dock
The Point
142
67X
25X
66X
41x
Tara St
Heuston
145
Pearse
Dolphins Barn
Ringsend
James
St Stephen's Green
Grand Canal
Goldenbridge
Rialto
Fatima
Ballsbridge
Lansdowne
Blackhorse
Drimnagh
Rialto
142
Harcourt
Bluebell
Drimnagh
Charlemont
Crumlin
Harolds Cross
67X
Sandymount
Ranelagh
Kylemore
77X
27X
Donnybrook
7D
Rathmines
Cowper
145
Sydney Parade
7B
Beechwood
11
Booterstown
17
Clonskeagh
142
Milltown
7B 7D 25x 32x
39a 41x 46a 51x
66x 67x 116 145
Kimmage
Terenure
UCD DUBLIN
N11 Entrance
Clonskeagh Entrance
17
Windy Arbour
17
Rathfarnham
Templeogue
17
Dundrum
Willbrook
Dundrum
11
Goatstown
47
10 MINUTE CYCLE
Balally
11
Kilmacud
Stillorgan
46A
Ballyboden
Stillorgan
Ballinteer
Sandyford
Sandyford
20 MINUTE CYCLE



Transport Links

The Belfield campus is located 4km from Dublin city centre on the N11. With thousands of students and staff attending the University every day, there are many travel options from the various parts of the city, and indeed the whole country. Many bus routes service Belfield (mostly along the N11 quality bus corridor), taking you to and from the city, local suburbs and beyond.

The local DART station, at Sydney Parade, is within walking distance. It will take you north to Howth and Malahide and south to Greystones. A shuttle bus service between UCD and Sydney Parade Dart Station operates during term time between the hours of 8am to 10am, and from 4pm to 6pm. Please see **http://ucdestates.ie/commuting/getting-here/shuttle/** for more details.

The DART interconnects with the Red Luas line at Connolly Station/Busaras, which in turn connects with Heuston Station. During term, a feeder bus operates from Sydney Parade, Dart Station to UCD at peak times. The 145 Dublin Bus Route also offers a direct bus service from UCD to Heuston Station.

The Green Luas line, at Windy Arbour and Milltown, is also within walking distance.

For the most up-to-date information on bus services near UCD, visit **www.dublinbus.ie**. Please note Dublin Bus routes are subject to change.

Below is a list of routes serving UCD and nearby areas, at the time of going to print.

7B, 7D, 11, 17, 25x, 27x, 32x, 39A, 41x, 46A, 46E, 46N, 47, 51x, 66x, 67x, 77x, 84N, 84x, 116, 118, 142*, 145

*to Portmarnock

Please also see ucd.hittheroad.ie, which will help you plan your journey to or from UCD using public transport.

Students holding a Student Travel Card **(www. studenttravelcard.ie)** can save money on their transport costs (bus, DART, LUAS and train). UCD students can apply for this on campus or from Dublin Bus or Iarnród Éireann.

- Walking distances
- 10 minute cycle distances
- 20 minute cycle distances
- Green Luas line and stations
- Red Luas line and stations
- DART line and stations
- DART feeder bus
- Bus routes
- Main roads

Index

A-Level Applicants →187
Access Programmes →18, 188
Accommodation →20
Actuarial & Financial Studies →122
Ad Astra Academy →14
Adult Education →18
Agri-Environmental Sciences →178
Agricultural Science →170
Agricultural Systems Technology →175
Agriculture, Food & Nutrition →168
Alternative Admissions Pathways →18, 188
Animal & Crop Production →172
Animal Science →173
Animal Science — Equine →174
Application Dates →205
Applied & Computational Mathematics →111
Applied Language Centre →25
Applied Mathematics & Mathematics Education →120
Applying to UCD →183
Archaeology →36
Architecture →146
Architecture →149
Art History →37
Arts, Humanities & Social Sciences →32
Assessment of Applications →190
BA — Joint Honours →34
Biochemistry & Molecular Biology →95
Biology & Mathematics Education →105
Biomedical Engineering →156
Biomedical, Health & Life Sciences →129
Business →82
Business Analytics →87
Business & Law →81
Business Studies →89
Campus Visits →9
CAO Handbook →192
CAO Information Evening →9
Career Development Centre →22
Career Fairs →9
Cell & Molecular Biology →96
Celtic Civilization →38
Chaplaincy Service →26
Chemical & Bioprocess Engineering →157
Chemistry →106
Chemistry & Mathematics Education →110
Chemistry with Biophysical Chemistry →107
Chemistry with Environmental & Sustainable Chemistry →108
Civil Engineering →158
Classics (Greek & Roman Civilization, Latin, Greek) →39
Commerce →84
Commerce International →86
Computer Science →123
Computer with Data Science →124
Crèche →26
Dairy Business →177
Deferred Entry →191
Developing Your Career →22
Disability Access Route to Education (DARE) →18, 189
Disability Support →18
Drama Studies →43
Economics →40
Economics & Finance →88
Electronic or Electrical Engineering →159
Energy Systems Engineering →160
Engineering →152
Engineering →154
English →42
English with Film →44
Entry Requirements →185, 186, 187
Environmental Biology →97
Facilities & Supports →26
Fees & Funding →17
FETAC →18, 189
Find Out More About UCD →9
Fitness to Practise →185
Flexible Learning →18, 188
Food & Agribusiness Management →176
Food Science →179
Forestry →181
French →45
Frequently Asked Questions →191
Garda Vetting →185
Genetics →98
Geography →47
Geology →119
German →46
Global Citizenship →10
Global Lounge →13
Graduate Entry →189
Grants →17
Health & Performance Science →144
Health Screening →185
Higher Education Access Route (HEAR) →18, 189
History →48
Horticulture, Landscape & Sportsturf Management →182
Human Nutrition →180
Information & Social Computing →49
International Languages →50
International Students →12
International Study Opportunities →10
Internships →23
Irish →51
Irish Folklore →52
Irish Language Courses →25
Irish Language Exemption →185
Irish Studies →53
IT Access →24

Italian →54
Landscape Architecture →150
Law →68
Law →71
Law (Dual) BCL Maîtrise →73
Law & Chinese Studies →74
Law with Economics →75
Law with French Law →72
Law with History →76
Law with Irish →77
Law with Philosophy →78
Law with Politics →79
Law with Social Justice →80
Learning Support Services →24
Library →24
Linguistics →55
Living on Campus →20
Map of UCD →196
Mathematical Science →114
Mathematics (BA) →56
Mathematics (BSc) →113
Maths Support Centre →25
Matriculation/Minimum Entry Requirements →185
Mature Student Open Evening →9
Mature Students →18, 188
Mechanical Engineering →161
Medicinal Chemistry & Chemical Biology →109
Medicine →125
Medicine →126
Medicine (Graduate Entry) →128
Microbiology →99
Midwifery →138
Music →57
Neuroscience →100
Nursing & Midwifery →133
Nursing (Children's & General) →136
Nursing (General) →135
Nursing (Mental Health) →137
Open Day →8
Orientation (New Students) →20
Outreach →18
Peer Mentoring →20
Pharmacology →101
Philosophy →58
Physics →116
Physics & Mathematics Education →121
Physics with Astronomy & Space Science →117
Physiology →102
Physiotherapy →139
Planning, Geography & Environment →151
Plant Biology →103
Points System →186
Politics & International Relations →59
Previous Third-Level Attendance →190
Psychology →60
Radiography →130
Religious Worship →26
Scholarships & Awards →14
Schools Liaison →9
Science →90
Science →92
Social Science →65
Social Policy →67
Societies →30
Sociology →62
Spanish →63
Sport & Exercise Management →145
Sport & Performance →142
Sports Clubs →31
Statistics (BA) →64
Statistics (BSc) →115
Structural Engineering with Architecture →162
Student Advisers →27
Student Centre →28
Student Counselling Service →26
Student Health Service →26
Student Support →18
Student Welfare →27
Students' Union →27
Summer School →9
Supporting Student Diversity →18
Theoretical Physics →118
Transfer Routes →190
Transport Links →198
UCD Campus Life →20
UCD Entry in the CAO Handbook →192
UCD Horizons →6
UCD International →12
UCD Mobile →24
UCD Sport & Fitness →28
Useful Contacts →205
Veterinary Medicine →163
Veterinary Medicine →164
Veterinary Medicine (Graduate Entry) →166
Veterinary Nursing →167
Volunteering Opportunities (International) →11
What's On Campus? →26
Why UCD? →4
Zoology →104

Useful Contacts

Main UCD switchboard
Tel: **+353 1 716 7777**
Web: **www.ucd.ie**

To obtain further information on admissions procedures or fees and grants, contact **Student Desk**, UCD Belfield, Dublin 4

Tel: **+353 1 716 1555**
Web:
www.ucd.ie/studentdesk/contact
www.ucd.ie/studentdesk
www.ucd.ie/myucd/applying
www.ucd.ie/fees (for fees information)
www.ucd.ie/maturestudents (for mature student admissions information)

For details on accommodation, contact
UCD Residences
UCD, Belfield, Dublin 4

Email: **residences@ucd.ie**
Tel: **+353 1 716 5772**
Web: **www.ucd.ie/residences**

For information on matriculation, contact
National University of Ireland
49 Merrion Square, Dublin 2
Tel: **+353 1 439 2424**
Web: **www.nui.ie**

For CAO application forms, contact
Central Applications Office
Tower House, Eglinton Street, Galway
Tel: **+353 91 509 800**
Web: **www.cao.ie**

For information on UCD Schools Liaison, contact the **UCD Schools Liaison Officer**
Email: **schoolsliaison@ucd.ie**
Tel: **+353 1 716 1504**

To arrange a UCD Campus Visit, contact the **UCD Campus Visit Co-ordinator**
Email: **campustours@ucd.ie**
Tel: **+353 1 716 1504**

For information on UCD Access & Lifelong Learning, including Higher Education Access Route (HEAR), Disability Access Route to Education (DARE) and mature student post-entry support, please contact the following

Email: **hear@ucd.ie** or **dare@ucd.ie**
Tel: **+353 1 716 1653/1658**
Web: **www.ucd.ie/openingworlds**

For students with a disability, contact
Email: **disability@ucd.ie**
Tel: **+353 1 716 7565**
Web: **www.ucd.ie/openingworlds**

For details on Access to Arts & Human Sciences; Flexible Learning opportunities and mature student post-entry support queries, contact

Email: **adult.education@ucd.ie**
Tel: **+353 1 716 7123**
Web: **www.ucd.ie/adulted**

Email: **ronan.murphy@ucd.ie**
Tel: **+353 1 716 7542**
Web: **www.ucd.ie/adulted**

The O'Reilly Hall is UCD's ceremonial hall where first year students are "scarfed" at the President's Welcome Ceremony upon first entering UCD, and where final year students are conferred and become alumni.

Notes

Notes