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.
Welcome from the President

Whether you are planning your life after school or embarking on a new direction by returning to full-time education, you will spend considerable time researching your options. Choosing the right undergraduate degree, the right university and the right time to dedicate at least three years to study are big decisions and I hope that this prospectus, and the range of engagements we offer through MyUCD, will encourage you to come to this great university.

Our ethos is all about giving our students the best educational and life-preparing experience. We strive to give our students a holistic education, instilling in them a desire to learn and create, to question and reason, and to contribute to society at all levels, nationally and globally.

At UCD the educational environment is designed to stimulate students through flexible teaching and learning practices. Our faculty bring their research and their scholarship into the classroom so that our undergraduates can engage with the most up-to-date knowledge. Recognising the pace of change in the world in which we live, we are constantly updating our curriculum content and structures so that our students get the best education.

UCD is Ireland’s global university. We are the university-of-first-choice amongst Irish students coming through the CAO (Central Applications Office) as well as the university-of-destination for the largest number of international students coming to Ireland. There are now almost 8,000 international students on campus, making this a very cosmopolitan environment. Additionally, UCD sends the largest number of undergraduate students on Erasmus or to study abroad at some of the world’s top universities. Our students can take advantage of an international experience that prepares them to take their place in the global society.

Your university experience is a journey of academic and personal discovery. I invite you to learn as much as you can about the UCD experience: the societies and sports, the events, the facilities and the great campus. And, I look forward to welcoming you to Belfield and into our vibrant and embracing community.

Cibé acu ag pleanáil an méid atá amach romhat tar éis na scoile nó ag tabhairt chosán an oideachais lánaímseartha ort féin an athuair atá tú, caithfadh tú go leor ama ag déanamh taighde ar do chuid roghanna. Is cinneadh mór é an chéim cheart, an ollscoil cheart agus an t-am ceart a roghnú le dul i mbun staidéir ar feadh trí bliana agus tá súil agam go gcuirfíadh an réamheolaire seo, agus a bhfuil d’eolas ann ar a dtairgtear in MyUCD, ag machnamh thú ar an ollscoil iontach seo agus go meallfaidh sé thú.

Is é a chuímid romhainn anseo ná sároideachas a chur ar dhaoine a sheasfaidh dúbh ina saol. Déanaimid ár seacht ndicheall oideachas iomlánaíoch a thabhairt dá mic léinn, ag spéideadh iontu fonn láidir a bhítheig a fheoghadh agus ag cruthú, ag ceistíu agus ag smaointeann agus ar deireadh, ag cur leis an tsochaí ag gach leibhéil, sa tír seo agus ar féidir an domhain.

Tá an timpeallacht oideachais anseo munlaithe sa chaoi a chaoi is go spéideadh mic léinn trí chur chuige múinte agus ceachtaithe foghláma ata solúbtha. Déanann an fhóramh daoine saothar air an t-eolas reatha, abharta atá acu do bharra a gcuíadh taighde agus scoláireachta a roinnt leis an mic léinn sa seomra ranga. Tuigimid go mbeidh an saol de shior ag athrú agus cuirimid abhar agus struchtúir an churáilaint in oiriúnú don méid sin do na rialtaí i dtae is go gcuírfeadh oideachas don scoth ar an gcuíана mac léinn.

Is i UCD ollscoil dhomhanda na hÉireann. Is i an ollscoil seo an chéad rogha ag mic léinn as Éirinn trí an CAO [Lár-Oifig Iontrála] agus an ollscoil ceann scríbe ag an gcuíadh is mó de na mic léinn idirnáisiúnta a thagann go hÉirinn. Tá beagnach 8,000 mac léinn idirnáisiúnta ar an gcampus anoch agus cruthaíonn sin timpeallacht an-illinnáisiúinach. Ina theannta sin, is i UCD is mó a sheolann mic léinn focheime ar Erasmus nó a staidéarthar leis an gcuíadh de na holscolaíanna is fáil ar domhain. Sa doigh sin, is féidir le mic léinn na hollscóil leas a bhaint as taithí idirnáisiúnta a uilimhíd id lena n-áit a thógadh i scoiachtan an domhain.

Aistear acadúil aige agus aistear an gcuíadh mic léinn aithe orthu féin atá i gceist leis an saol ar an ollscoil. Tugaim cuireadh duit eolas a chur ar an saol anseo i UCD: na cumhainn agus an spórt, na himeachtaí, na háliseanna agus an campsiontachtaí. Agus, táim ag súil le fáilte a chur romhat go Belfield agus chuig ár bpoibéal bríomhar agus fáiltiúil.
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
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Why UCD?

Top 1% of higher education institutes worldwide.

1st Choice for Irish School Leavers.

1st Choice for International Students.

1st in Ireland for Graduate Employability.
UCD Horizons

UCD’s innovative and adaptive curriculum is inspired by the philosophy of founder Cardinal John Henry Newman and realises his vision of university life as a journey of academic and personal discovery.

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)

10 Credits =

Year Total 12 Modules

60 Credits

What is UCD Horizons?
UCD Horizons is UCD’s unique opportunity for you to broaden your knowledge in subjects outside your specific degree.

Every UCD programme consists of Core and Option modules. UCD Horizons gives you the opportunity to take additional modules called Electives in another area.*

This allows you to adapt your degree to your personal preferences. The university will guide you through your choices, helping to set you on your exciting learning path.

How does UCD Horizons work?
It’s your choice. You can deepen your learning and take your Elective modules from within your main subject. Alternatively, you can broaden your horizons and take your Elective modules from outside your subject.

You can also choose to take Structured Electives. This means taking your Elective modules in a structured manner over the course of your programme, giving you a recognised block of learning in a subject area.

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

→ www.ucd.ie/ucdelectives

*The availability of modules is timetable-dependent and subject to demand.

“One of the persuading factors to go to UCD for me was UCD Horizons. The first elective I chose was Introduction to Forensic Anthropology! 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

“OneCD 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.”

Anu Joy Chemical & Bioprocess Engineering
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 3rd NOVEMBER, 2018

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 3rd November, 2018, from 10.00am to 4.00pm.

www.ucd.ie/openday
facebook.com/MyUCD
@askucd  #ucdopenday
@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 2019
To assist you with your CAO application, UCD will host a CAO Information Evening on Tuesday 8th January 2019, 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

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

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.

Summer School, 4 - 7 June 2019
Seize the opportunity to experience university life with UCD’s Summer School for secondary school students (entering final year, in September 2019).

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/myucd/summerschool

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

www.myucd.ie/sign-up
facebook.com/MyUCD
@askucd
@myucd #myucd
Global Citizenship

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

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 in 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.

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 offers 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
facebook.com/ucdinternational
@UCDInternational
youtube.com/UCDGlobal

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

UCD is Ireland’s most international university and the most popular destination for Irish school leavers. Ranked in the top 1% of higher education institutes worldwide, UCD is also the largest and most diverse university in Ireland, with almost 8,000 international students from 128 countries. This international context enriches the university experience for UCD students, equipping them with the tools to contribute proactively to 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).
International Volunteering Opportunities
Established in 2003, UCD Volunteers Overseas (UCDVO) is a registered charity. It 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.

[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.

International 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 the “World’s Friendliest Country”, Ireland 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.

To use fingers as forks, to calm a class of a hundred and twenty-five, to squat and not to sit, to fix a rusty bicycle chain on a dusty orange track under the pressure of dozens of giddily amused, wide-eyed kids. Pure learning from sun up to sun down. My UCDVO trip was a barrage of life lessons great and small, disguised under the guise of Tanzanian routine. Some of these I recognised when I was in the very cauldron of school life, others I never realised until I came home and sat in my room and just heard silence, no student’s cries or jovial greetings from the townsfolk.”

Kevin Byrne, Ruaha, Tanzania 2017

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

Earn your global citizenship by studying abroad, volunteering overseas or participating in international summer schools and on-campus international activities.

400 Exchange Partners Worldwide
29 Countries throughout Europe
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.

Benefits
- A €3,000 scholarship allowance, which may be offset with the scholarship allowance.
- Preferential access to allocated on-campus accommodation, the cost of 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.
- Access to the Ad Astra scholars’ room.

Eligibility – Prospective Students

Ad Astra Academic scholarships are awarded on the basis of the academic criteria of 6 H1s in the first sitting of the Leaving Cert (or A-Level equivalent), as well as an online application. Applications will open on February 1, 2019, and close on August 19th, 2019. Following the release of CAO offers, shortlisted candidates will be invited for interview.

Eligibility – Current Students

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, the cost of 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.
- Access to the Ad Astra scholars’ room.

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, 2019. In addition to this, students should complete their CAO forms as usual by February 1, 2019, for undergraduate admission. Graduate applicants should apply directly to UCD in the normal way. Unsuccessful applicants may elect to have their application automatically considered for a sports scholarship.

Eligibility – Current Students

Current students can also apply to the Ad Astra Elite Sports scholarship programme by January 31, 2019.

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, the cost of 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.
- Access to the Ad Astra scholars’ room.

Key Fact

6 UCD Ad Astra Elite Sports Scholars represented the Irish Rugby Team which won the 2018 Six Nations Championship and Ireland’s third Grand Slam in history.

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 at both undergraduate and postgraduate level. These awards, which celebrate the diverse talents and achievements of our current and continuing students, are highly regarded by employers.

Academic Scholarships & Awards

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

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 across all schools and colleges within the university. 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. More information on the awards offered by each school or college is listed at www.ucd.ie/scholarships.

Benefits
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

Sports Scholarship Programme

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 April 5, 2019. Where an application is submitted for an Ad Astra Elite Sports Scholarship and is unsuccessful, it can automatically be considered for a Sports Scholarship. There’s no need to complete a supplementary application.

Eligibility – Current Students
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 squad 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.

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

www.ucd.ie/sport/scholarships
sport@ucd.ie
facebook.com/ucdsport

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www.ucd.ie/sport/scholarships
sport@ucd.ie
facebook.com/ucdsport

“My four years with the UCD Choral Scholars was the most memorable period of my life during which I gained invaluable transferable skills and long-term friends. I continued my studies at Duke University School of Law and I can proudly say that the inter-disciplinary model, work ethic, and pursuit of excellence that the UCD Choral Scholars cultivates is unrivalled, even at well-funded U.S. universities. My experience with the UCD Choral Scholars played a critical role in securing my position as a lawyer with a prestigious corporate law firm in New York City.”

Oisin O’Callaghan, Choral Scholar


It has been such an advantage to both my academic and sporting ambitions to be on a Football Scholarship here at UCD. All the ingredients needed for an athlete to excel are at your disposal, and it has provided me with a perfect platform to grow as a player. On top of this, education is a priority and the club is flexible regarding exams and important curricular work. The environment is ideal to excel in both football and education.”

Greg Sloggett, Football Scholarship

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Oisin O’Callaghan, Choral Scholar

“The value, number and benefits of scholarships may vary from year to year.

Terms and conditions apply.
**UCD Choral Scholarships**

Each year Ireland’s leading collegiate choir offers 18 choral scholarships [worth €1,000 on average] to talented singers from across all academic programmes. These scholars represent Ireland and the university at major events, on radio and on TV, and work with leading musicians and composers both at home and on tour (Belgium, USA, UK, Hungary, Italy, Holland).

The group’s debut album ‘Invisible Stars’ on Signum Records UK (2015) is an international bestseller, and the choir will release its second disc in 2019, when the choir will celebrate its 20th Anniversary with a tour of the USA. Auditions take place in September each year, and successful applicants have the option to take the programme for credit.

For further information, contact Gráinne O’Hogan, Ensemble Manager:
- Email: choralscholars@ucd.ie
- Web: www.ucd.ie/choralscholars
- Youtube: UCD Choral Scholars
- Facebook: UCDChoralScholars
- Instagram: @choralscholars
- Twitter: @UCDChoral

**UCD Symphony Orchestra Scholarships**

UCD Symphony Orchestra Scholarships are awarded to talented students in key positions within the 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, Sweden and Belgium.

There are opportunities to work with celebrated soloists and in sectional rehearsals with established 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

**Scoláireachtai Theach na Gaeilge Bhord na Gaeilge/ UCD Irish Language Student Residence Scheme**

Tairgeann Bord na Gaeilge UCD 24 scoláireacht san iomlán, do mhic léinn ionchasaach agus do mhic léinn reatha le cónaí trí mheán na Gaeilge agus le feidhmiú mar ambasadóirí teanga. Roghnaitear lárthriú ar bhonn formh larratais agus agallaimh.

Cáilítheacht

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

Buntáistí


Beidh foirmeacha larratais ar fáil ón 1 Mártá 2019. Gach eolaí le fáil ó: Clár Ni Bhuchaille: ofigeach gaeilge
- Ríomhphost: ofigeach.gaeilge@ucd.ie
- Suíomh: www.ucd.ie/bnag

**Universitas 21 Scholarships**

Universitas 21 Scholarships are offered through the UCD International Office to UCD students going on semester and year-long exchanges to our U21 partner institutions in Asia and Latin America. The level of scholarship funding 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.

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

**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.

www.ucdsocieties.com/presidentsaward

Eligibility – Current Students

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.

**UCD Cothrom na Féinne Scholarships**

UCD Cothrom na Féinne scholarships help make access to higher education fair by providing financial, academic and personal support to enable students from a diverse range of backgrounds to succeed at UCD.

Applicants from low-income households are invited, and priority will be given to:
- Students who attend DEIS schools
- First-time mature students
- Students with a disability
- Irish Travellers
- Further education award holders
- Lone parents who are in receipt of a means-tested social welfare payment
- Ethnic minorities
- Refugees, those with leave to remain, and asylum seekers
- Students who have successfully completed a UCD Access Programme
- Students who wish study on a part-time basis via UCD Open Learning
- Applications details are available at www.ucd.ie/ALL

Scholarship Packages include:
- €1,500 per year of study [pro-rata in the case of part-time attendance]
- A dedicated Welcome Programme
- A programme of academic workshops and seminars
- Dedicated personal support offered by a team of experts
- The support of a peer mentoring network
- Leadership training programmes, networking and development opportunities.
Tuition Fees — The Free Fees Initiative
Under the Higher Education Free Fees Initiative [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](http://www.ucd.ie/students/fees).

Updated information about tuition fees and fee payment for students entering UCD in 2019 will be available from summer 2019, when fees are set by the Department of Education and Skills.

Student Contribution Charge
- As a guide, the Student Contribution Charge for 2018/19 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. Parents should note that 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. As a guide, the Student Centre Levy for 2018/19 is €254.

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.

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

UCD Experience
Fees & Funding

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 AWAY FROM HOME**

<table>
<thead>
<tr>
<th>Expense</th>
<th>Monthly €</th>
<th>Annual Cost €</th>
<th>Nine months (academic year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent (Shared – Own Room)</td>
<td>950–600</td>
<td>11,400–12,600</td>
<td>11,500–13,800</td>
</tr>
<tr>
<td>Utilities (Electricity/Gas/Bins/Internet)</td>
<td>33</td>
<td>396</td>
<td></td>
</tr>
<tr>
<td>Food</td>
<td>250</td>
<td>2,250</td>
<td></td>
</tr>
<tr>
<td>Travel (Monthly Short Hop ticket)</td>
<td>119</td>
<td>1,399</td>
<td></td>
</tr>
<tr>
<td>Books &amp; Materials</td>
<td>71</td>
<td>852</td>
<td></td>
</tr>
<tr>
<td>Clothes/Medical</td>
<td>45</td>
<td>540</td>
<td></td>
</tr>
<tr>
<td>Mobile</td>
<td>20</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>Social Life/Miscellaneous</td>
<td>130</td>
<td>1,560</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>€1,018–1,268</strong></td>
<td><strong>€11,823–14,120</strong></td>
<td><strong>€11,823–14,120</strong></td>
</tr>
</tbody>
</table>

**COST OF LIVING AT HOME**

<table>
<thead>
<tr>
<th>Expense</th>
<th>Monthly €</th>
<th>Annual Cost €</th>
<th>Nine months (academic year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to Bills</td>
<td>34</td>
<td>324</td>
<td>360</td>
</tr>
<tr>
<td>Food</td>
<td>70</td>
<td>780</td>
<td>870</td>
</tr>
<tr>
<td>Travel (Monthly Short Hop ticket)</td>
<td>119</td>
<td>1,399</td>
<td></td>
</tr>
<tr>
<td>Books &amp; Materials</td>
<td>71</td>
<td>852</td>
<td></td>
</tr>
<tr>
<td>Clothes/Medical</td>
<td>45</td>
<td>540</td>
<td></td>
</tr>
<tr>
<td>Mobile</td>
<td>20</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>Social Life/Miscellaneous</td>
<td>112</td>
<td>1,232</td>
<td>1,344</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>€471</strong></td>
<td><strong>€4,239</strong></td>
<td><strong>€4,692</strong></td>
</tr>
</tbody>
</table>
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 for linked community organisations and schools, offering on- and off-campus information workshops, taster activities, interactive projects, academic support and mentoring programmes.
- HEAR and DARE applicant support and advice clinics.
- Open evenings and information sessions on UCD’s Alternative Admissions Pathways.

Student Support
In addition to our general supports, a number of specific post-entry supports are available for students. These include:
- ALL student welcome activities.
- Orientation activities and academic skills support.
- Advice and guidance on academic, personal and practical issues.
- Needs-based financial support.
- Needs assessment for exam accommodations and Assistive Technology support for students with a disability.
- Specialised student support.
- Cothrom na Féinne Scholarships.

If you live in a low-income household, attend a DEIS school, have a disability, are a first-time mature student, a lone parent, or want to study part-time, UCD welcomes you. Also, if you are a member of the Irish Traveller Community, an ethnic minority, or a refugee, UCD is for you and for ALL.

Supporting Students

UCD is the university for Access & Lifelong Learning (ALL). Our motto is Cothrom na Féinne meaning ‘justice and equality’, and we are successful in making access to higher education fair and possible. We welcome students from a diverse range of backgrounds and we are ready to help you succeed at UCD.

www.ucd.ie/all
Pathways - see our video of the alternative routes to studying at UCD at www.ucd.ie/all
**Alternative Admission Pathways**

<table>
<thead>
<tr>
<th>Higher Education Access Route (HEAR)</th>
<th>Disability Access Route to Education (DARE)</th>
<th>QPI-FET</th>
<th>Mature Students</th>
<th>University Access</th>
<th>Open Learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>School leavers from under-represented socio-economic groups.</td>
<td>School leavers with a disability or specific learning difficulty.</td>
<td>Students with appropriate QPI-FET (level 5 or 6) qualifications &amp; modules, with a minimum of distinctions in five modules can be admitted on a competitive basis to a number of degree programmes.</td>
<td>Applicants on the grounds of mature years (23 and over).</td>
<td>Access programmes for mature students provide an alternative entry route to study at degree level in UCD. Access courses prepare students for entry to UCD degrees. Mature students who achieve the required academic standard are guaranteed entry to the following programmes: Arts, Humanities, Social Science, Law, Science, Medicine, Engineering and Agricultural Science.</td>
<td>This part-time option opens up hundreds of modules to anyone interested in either sampling a subject, or in accumulating credit towards an award. Students can accumulate modules to receive a certificate or diploma. Successful completion of the Certificate in Open Learning has a direct progression to Arts, Humanities and Social Sciences in UCD.</td>
</tr>
</tbody>
</table>

**DARE Scheme**

“I have loved maths since I was very young, it has always been my favourite subject throughout primary and secondary school. I chose UCD as it is well-known for its Science programme. It has an amazing campus and fantastic facilities for all students. The DARE scheme is great because they matched the exam and academic accommodations to the supports I needed. Clubs and societies are a great way to make new friends. I joined the Trampoline Club when I started in first year. I fell in love with the club and the people and I was recently elected the Secretary of the club for the coming year!”


**University Access**

“UCD offers one of the premier routes to qualifying as a social worker, so UCD was a natural choice for me, as it offers exactly the development path I need. The UCD Social Science degree is grounded in real life experiences to which students can easily relate and offers fascinating new perspectives on society. As a mature student, the Access and Lifelong Learning Centre has been an invaluable support to me. The Centre provides a wide range of student supports and the staff are always very willing to help. I am keenly interested in peer support and have volunteered as an Access Leader.”

**Aiden Byrne**, Social Sciences, Mature Student and Access Leader.

**Open Learning**

“As a result of UCD’s outreach programme, I got to know the different pathways to enter UCD and took the opportunity to study Introduction to Ethics through Open Learning. The course is an introduction to the philosophical study of theories of morality and the moral obligations human beings have when making decisions. The course introduced me to the ideas of the ancient and modern philosophers who have helped to shape western culture regarding moral judgements on actions. I availed of student supports including academic skills training through workshops as well as financial support.”

**Stixy Misheck Nyaluso**, Open Learning Student.

**HEAR Scheme**

“I chose UCD for the flexibility of its courses. Being able to take elective modules in anything for the first two years really encouraged me to keep up my hobbies as well as something I wanted to study. I chose to study Science as it was always a huge passion of mine growing up. I applied to UCD through the HEAR scheme, the orientation and supports, including the book tokens really helped me get started in college. Another massive support especially for science students is the Maths Support Centre, who are never too busy to answer any questions you have. My peer mentor was a committee member for Sci-Soc, so he really helped me break the ice in new societies. Personally, I really enjoy Chess-Soc, as it is another big hobby of mine. The basketball club has also taught me so much about the game and has helped me make more friends.”

**Liam Mannion**, Physics Student, Access Leader and Sci—Soc Member.

**Mature Student**

“I had always wanted to obtain a third-level degree but as a mature student I was not sure how to go about it. The University Access to Lifelong Learning programme was recommended to me by someone who had already completed the course, so that is how my journey in UCD began. I felt a little conspicuous entering college at this stage in my life but I needn’t have worried - I found like-minded people in UCD and together we formed a bond to help each other through any difficulties. I love attending lectures and tutorials and having the opportunity to listen and learn from people who are passionate about their subjects. When I have questions about changing or pursuing new courses, my first port of call is the Mature Students Advisor, Access & Lifelong Learning or the Programme Office for a chat.”

**Anne Ferris**, University Access Course Graduate, Stage 1, English and History 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.

New Student Orientation
Student orientation is a timetable of events taking place the week before the academic year begins. These fun and engaging events are aimed at helping new students settle in to life at UCD.

Annual Orientation traditions include comedy, tapas and salsa dancing, debates, movie nights, sports tournaments, DJ and band nights, scavenger hunts and the Orientation Ceili and Barbecue.

Peer Mentoring
As a new student, you will be assigned a Peer Mentor. This Mentor will contact you before Orientation begins and help you settle into UCD.

Your Peer Mentor will arrange group meetings and provide 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

Key Fact
UCD has the largest Peer Mentor programme of any Irish university, with over 600 Peer Mentors last year.
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 for 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 2018/19 academic year range from €6,425 to €11,075 (including refundable booking deposit).

Applications for UCD Residences normally open in May. For details and updates on the application process, see www.ucd.ie/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 and day trips.
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 to develop your potential early.

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-bearing and non credit-bearing programmes & workshops to develop the key 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 learn how best to compete for jobs.

Supporting your Career and Professional Development

During the academic year 2016/17, UCD students developed the skills and competencies and career knowledge needed for success. Here are some key statistics:
- 7,330 UCD students attended at least one of 159 workshops and seminars carried out in UCD Schools, organised by the Career Development Centre.

90.7% of recently surveyed honours degree students entered employment or graduate study within 9 months of leaving UCD.
2nd-3rd Year  Apply! Final Year

- 120 students participated in our Skills for Working Life programme, developing valuable employability skills and engaging with a range of graduate employers.
- 2,764 students availed of our career coaching and guidance services.
- 1,987 students completed online self-assessment tools such as: Occupational Interest Inventory, Type Dynamic Indicator (helping students understand the relationship of their personality to work), Numerical, Verbal and Abstract Reasoning tests.
- 4,269 students attended 4 Recruitment Fairs held on campus.

Networking Opportunities with World Leading Employers

- 211 employers attended 5 recruitment fairs on campus, targeting UCD students for intern and graduate jobs.
- 3,106 intern and graduate jobs were directed to the UCD Career Development Centre for promotion to students at UCD.
- 108 employer-led workshops, lectures and recruitment presentations were delivered on campus.

What Employers Say about UCD Graduates & Internships

“Every year we hire UCD students for all our programmes including our Summer Internship programme, our Work Placement programme and our Graduate programme. We have alumni from UCD throughout every part of our business from Partners through to Associates. We hire UCD students from all courses including Business, Accountancy, Law, Science, Arts and Engineering. The students we recruit are enterprising, passionate, innovative, bright and have strong communication and interpersonal skills. They’re seeking an opportunity for personal and professional growth, the chance to experience new cultures, to build lasting relationships and make an impact. Students and graduates from UCD fulfil all of these requirements and we find that they thrive in PwC.”

Niamh McInerney, Head of Graduate Recruitment, PwC

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

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

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.

[Images and links]

www.ucd.ie/careers
facebook.com/ucdcareers
twitter.com/ucdcareers
Learning Support Services

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

UCD Library
Visit any of our five libraries and online resources to discover what a valuable asset UCD Library can be. We have over 960,000 print books, almost 500,000 e-books, over 300 subject databases and approximately 112,000 print and e-journals.

We provide:
- 3,150 reading or study spaces for quiet study.
- A free laptop loan service in the James Joyce and Health Sciences Libraries.
- Group study rooms and social learning spaces.
- Self-borrow and return kiosks.
- Free wifi and network connections in all libraries.
- Online services enabling you to renew loans, pay fines or book study rooms 24/7.
- An inter-library loan service for when you haven’t got a book you are looking for.
- Self service temporary library card kiosk also available.

Help and Advice:
- Ask Library staff to help you locate resources for assignments.
- Library tours and training sessions.
- Websites and social media providing information, e-tutorials and videos on finding books and articles, references, bibliographies and avoiding plagiarism.
- A large range of specialist subject and topic guides.

→ www.ucd.ie/library

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 in 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.
- Virtual learning environment (Brightspace).
- Software delivery (AppsAnywhere).

UCD Mobile
You can download a free app called UCD Mobile, where you can access an interactive map of campus, news updates, events calendar and sports fixtures, search the Library, book gym classes and cinema tickets and much more!

Help and Advice:
- Ask Library staff to help you locate resources for assignments.
- Library tours and training sessions.
- Websites and social media providing information, e-tutorials and videos on finding books and articles, references, bibliographies and avoiding plagiarism.
- A large range of specialist subject and topic guides.

→ www.ucd.ie/library

IT 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
IT Services have open-access laboratories located across campus, where you can login and access your UCD Connect account and a range of networked software applications.

IT Services run an event as part of Orientation Week to introduce new students to some of the main IT facilities used in UCD. Check your Orientation timetable for details.

Cúrsai Gaeilge/ Irish Language Courses and Activities
Cúreann 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 beginner to advanced levels, including an online course, as well as a range of activities and social events through Irish.

→ www.ucd.ie/bnag
→ facebook.com/BordnaGaeilgeUCD
UCD Innovation Academy
We offer elective modules for all UCD undergraduate students. Learn in an innovative and creative environment through workshops, engagement with industry, team challenges and presentations. Gain key skills that are highly sought after by employers.

Introduction to Creative Thinking (IA20010): Learn the techniques and tools of creativity, problem-solving and design thinking in a team-based, action learning environment.

Introduction to Entrepreneurial Endeavour (IA20020): Gain practical experience of taking an idea for a venture from inception to testing and validation.

Introduction to Social Entrepreneurship (IA20060): Explore how to apply creativity and entrepreneurial thinking to address social problems.

Complete all three modules to gain a structured elective in ‘Innovation for Change’.
Find out more at: www.innovators.ie/for-undergraduates

UCD Writing Centre
Being an undergraduate 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 and workshops 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 10am-1pm and 2-4pm.

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

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 with 40 opening hours per week; so there is no need to book in advance.
- 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, practice sheets and online videos.

→ www.ucd.ie/msc
→ email: msc@ucd.ie
→ www.facebook.com/UCDMathsSupportCentre/
→ twitter.com/ucdmathssupport

UCD Applied Language Centre
The UCD Applied Language Centre offers credit-bearing language modules to undergraduate and graduate, home and international students.

The aim of these modules is to improve students’ ability to communicate in a variety of global languages. Speaking, listening, reading and writing skills are developed in small group classes.

The Centre also offers an Introduction to English Language Teaching elective to undergraduate students and a Masters in Teaching English to graduate students.

Structured electives are available in French, German, Japanese and Spanish and allow students to show the development of their language skills over three semesters.

Students who speak English as a second language have the opportunity to support their academic English at UCD with English for Academic Purposes and English for Academic Writing modules.
UCD has a dedicated support network for students, to help ensure every student gets the most out of their time at UCD. The services and supports available encourage student welfare, inclusiveness and guidance. We welcome every student to engage with all of the services on offer to them during their time at UCD.

Campus Life
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 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 their gateway to support services. Additionally, there are Student Advisers attached to specific groups of students, such as mature or international students.

Student Advisers work closely with the administrative and academic staff, as well as other support staff. They are on hand to help you make your time at UCD as fulfilling and enjoyable as possible. Students can contact their student adviser in relation to any personal, social or practical issues. For simple informational requests to more confidential and serious matters, your student adviser will give you the time and space to talk things through.

Students’ Union
All UCD students are automatically members of the 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 who understand the issues facing students, and can offer advice through any kind of situation – you can call over at any time and have a chat with them. Throughout the year, the SU Entertainments Office run class trips, parties, gigs, comedy nights, mystery tours, the Freshers’ Ball and Rag Week. Keep up to date and informed with all student matters by visiting the SU website and social channels.

Student Health Service
The Student Health & Counselling Service provides on-campus medical, psychological and psychiatric care to registered students of the university. The service is located above the Student Union Office in the Student Centre. Student Health services include: routine appointments, urgent GP appointments, screening and vaccination for incoming healthcare students, alcohol and addiction counsellor services, nurse and doctor led sexual health clinics, psychiatric services, contraceptive clinics, travel clinics and sports clinics.

Chaplaincy & Religious Worship
UCD Chaplaincy offers personal support and advice in complete confidence to students. The Chaplains are part of a student support network involved in the greater student experience within UCD. They seek to help students achieve their goals of developing a holistic approach to education and to life. They are also involved with student societies, charity events, cultural projects, and work on various student welfare committees.

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 23 for more details on the UCD Student Centre.
UCD students have free access to a large suite of fitness classes, two state-of-the-art gym floors and multiple gym programmes from Ireland’s top fitness instructors. Students can also avail of the centre’s 50m Olympic Swimming Pool & Spa on a pay-as-you-go basis, or have instant access annually by purchasing a cost effective swim membership package.

The Student Centre and the UCD Sport & Fitness Complex are the home of student life on campus. With a cinema, debating chamber and Olympic swimming pool, this central student hub provides the most diverse range of student facilities of any university in Ireland.

Student Centre facilities include:
- State-of-the-art 3D cinema which screens both classics and the latest blockbusters.
- 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, steam room 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.

See some samples of student life at www.ucd.ie/studentcentre/studentexperience/videos

www.ucd.ie/studentcentre
www.ucd.ie/sportandfitness
@UCDSportandFitness
Student Societies

Student societies are a great way to explore your interests and develop new ones. UCD has over 90 active student societies so there is something for everyone, from Jazz and Comedy to Science, Travel & Religion.

Guests such as Conor McGregor, Judge Judy, Dustin Lance Black, Neil Gaiman, Will Ferrell, Emeli Sandé, Sir Alex Ferguson, Archbishop Desmond Tutu, Noam Chomsky, Bob Geldof and Patrick J Adams have all recently visited student societies in UCD.

https://societies.ucd.ie

Facebook.com/UCDSocieties

Twitter: @UCDSocieties

Instagram.com/ucdsocieties
With 56 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 your 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 in skills that I had previously only dreamt of doing. We train hard and we play hard – but no matter what we do or where we go, we do it together.”

Emily Farrell
3rd Year Physiotherapy

American Football
Archery
Athletics
Badminton
Ladies Basketball
Men’s Basketball
Ladies Boat
Men’s Boat
Boxing
Camogie
Canoe
Capeoire
Caving & Potholing
Cricket
Cycling
Equestrian
Fencing
Ladies Gaelic Football
Men’s Gaelic Football
Ladies G & M’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
Squash
Sub Aqua
Surf
Swimming & Waterpolo
Table Tennis
Taekwondo
Tennis
Trampoline
Triathlon
Ultimate Frisbee
Volleyball
Windsurfing

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

www.ucd.ie/sport/clubs
www.ucd.ie/sport
www.facebook.com/ucdsport

UCD Golf Club.

UCD Ladies Hockey Club.

UCD Swimming Club.
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<tr>
<th>Arts (Two Subjects)</th>
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<td>Archaeology</td>
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<td>Classics, English &amp; History</td>
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<td>English with Creative Writing</td>
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<td>History</td>
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<td>Music, Film &amp; Drama</td>
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<tr>
<td>Modern Languages</td>
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</table>
The College of Arts and Humanities offers the widest range of Arts and Humanities programmes available in Ireland. It is a vibrant and dynamic environment and community, where creative, critical and analytical thinking are developed. Our world-class teachers and researchers attract students from more than 120 countries around the world.

Choose from our 11 BA Humanities programmes:
- Celtic Studies, Art History & History
- Classics, Art History & Archaeology
- Classics, English & History
- English Literature
- English with Creative Writing
- English, European & World Literatures
- English, Drama & Film
- History
- History & Politics
- Languages, Linguistics & Cultures
- Music, Film & Drama

If you want to understand, explain and interpret the world around you, and if you are interested in evaluating evidence, in weighing up arguments and in being creative, our Arts & Humanities degrees are designed for you. Our degrees develop a deep understanding of people, societies and cultures, past and present. We challenge students to consider new perspectives and new ways of approaching problems and ideas. Our graduates are equipped with critical, transferable skills for a wide range of career options and are recognised for their achievements in the arts, business, media, education and technology.

We offer three distinct routes to study for a degree in Arts and Humanities subjects.

BA Arts (Two Subjects) (Three Years)
BA Humanities (Four Years)
BA Modern Languages (Four Years)

BA Arts (Two Subjects) – DN520
This three-year programme gives you the opportunity and freedom to study an unrivalled range of subjects. You can choose from many popular subject combinations in this long-established and internationally-recognised degree, which provides an excellent foundation for a range of career options. You will build a unique skill set in research, digital expertise, scholarship, and inquiry, with an ability to use those skills to pursue and evaluate knowledge and to communicate effectively.

BA Humanities – DN530
The four-year BA Humanities’ innovative, interdisciplinary, multi-subject programmes provide coherence and depth to student learning within a carefully structured framework. We offer both intensive training in particular disciplines and unique skill sets that are developed through bringing together subjects that speak to, and relate closely to, each other.

Choose from our 11 BA Humanities programmes:
- Celtic Studies, Art History & History
- Classics, Art History & Archaeology
- Classics, English & History
- English Literature
- English with Creative Writing
- English, European & World Literatures
- English, Drama & Film
- History
- History & Politics
- Languages, Linguistics & Cultures
- Music, Film & Drama

In Year 3, you will develop your academic knowledge and diversify your skills through a range of routes, depending on your course:
- Apply for an internship across a range of sectors from arts to business to technology
- Embark on a semester or year-long study abroad programme.
- Undertake discipline-specific modules.
In Year 4, you may also complete an extended research project/dissertation in your chosen subject area.

BA Modern Languages – DN541
This four-year degree is designed for students who wish to study at least two languages, choosing from French, German, Italian and Spanish. During your studies, you will develop a sophisticated level of intercultural competence, enabling you to communicate fluently in a broad range of social and professional contexts. Critically aware and open to alternative ways of thinking, successful graduates are equipped to live and work effectively in multi-cultural and multi-lingual environments.
**BA Arts (Two Subjects) - DN520**

This programme is taught by our world-class academics and allows you to specialise in your chosen subjects so that you can embark on a wide range of future careers, postgraduate opportunities and professional work.

**Select your subjects**
Indicate on your CAO form the two subjects you wish to study. Find out which you can combine in the grid below.

**Please note**
- In a **Joint Major** degree (for example, History and English), students take an equal number of modules in both subjects.
- In a **Major/Minor** degree (for example, Music with Philosophy), students take more modules in their Major subject (e.g. Music).

Choose one Major subject from the column on the left and a second subject from the row across the top. Possible combinations of subjects are indicated by:

- ✔ Indicates Two Subject **Joint Major** degree combination.
- ● Indicates Two Subject **Major/Minor** degree combination, where the subject in the column on the left is the **Major** subject and the subject in the row across the top is the **Minor** subject.

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<tr>
<th>Major Subject</th>
<th>Archaeology</th>
<th>Art History</th>
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<th>Drama Studies</th>
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**Year 1**
Study your two chosen subjects and develop your options by choosing a third subject from the extensive range available.
At the end of First Year, you will receive advice and support in finalising your two subject choices before you move into Second Year.
If you are studying Music, you may transfer from a Joint Honours degree to a Single Subject degree after Year 1.

**Years 2 and 3**
Study your two chosen subjects to degree level.

**Optional International Study Abroad**
UCD offers you the opportunity to study abroad, for either a semester or a year, in one of our prestigious partner universities across the world. Students who choose to spend an additional year abroad graduate with a four-year BA International degree.

**Add a Fourth Year**
Convert your BA into an MA by taking a one-year course at our top-ranking Schools. See relevant subject pages to view MA options.
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 the critical elements of visual art.

What will I study?

The student of Art History will learn to interpret the art of different ages, to assess its meaning, development, context and quality. You will study systems of formal analysis, such as composition, style or iconography; patronage and social context; conceptual and historical analysis.

First Year

First year modules introduce students to the key periods, artists and movements of European art and architecture. Typical modules include: Tools of Art History - Giotto to Michelangelo - Caravaggio to Turner - Art & The Modern World.

Second & Final Years


Students attend lectures, tutorials and seminars, and undertake independent study. Field trips to local and national museums, galleries, historic buildings and sites are also integrated into the undergraduate programme. Courses have, in some instances, afforded the opportunity for field-trips to London and further afield.

International Study Opportunities

Opportunities to study abroad may include:
- Universitàt Wien, Austria
- Université Panthéon-Sorbonne, France
- Università di Studi di Roma III, Italy
- Universidad Autónoma de Madrid, Spain
- Erasmus University Rotterdam, Netherlands
- Université de Lausanne, Switzerland
- University of Lund, Sweden
- University of Nottingham, UK
- University of California, USA
- University of Otago, New Zealand
- Waseda University, Japan

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

Art History stimulates and sharpens visual and critical awareness. It has diverse applications and equips graduates with the skills to appreciate and critically examine the images and environments surrounding them. 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 Masters degrees for suitably qualified graduates: the Masters in Art History and the Masters in Cultural Policy & Arts Management, as well as the opportunity to pursue doctoral research, all of which provides further possibilities for careers in the arts.

Why is this subject for me?

My time in the School of Art History and Cultural Policy at UCD is one of my most cherished experiences, when looking back at my undergraduate and postgraduate education. The School represents a superb blend of academia, research and networking. The outstanding lecturers at the School come from a range of different fields and backgrounds, which facilitates a fascinating research environment. Anyone interested in Art History and some of its outer branches should definitely consider joining the excellent undergraduate and postgraduate programmes available in the School. You won’t regret it!

Louis Weyhe Funder BA, MA, PhD

Elizabeth Varley
UCD School of Art History & Cultural Policy
Newman, Belfield, Dublin 4
elizabeth.varley@ucd.ie
+353 1 716 8162
facebook.com/ucdarthistorycultpolicy

UCD Arts & Humanities
Why is this subject for me?

Celtic Civilisation 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 Civilisation modules are good choices as electives for those interested in Celtic culture in Ireland and beyond.

What will I study?

Celtic Civilisation

The Celtic Civilisation 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.

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 Civilisation courses on culture and literature.

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
- Media
- Teaching
- Business

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

International Study Opportunities

Celtic Civilisation 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
- Brest, France

"Celtic Civilisation has proven to be a compelling and intriguing subject for me. As a Celtic Civilisation student, I have had access to a wide range of interesting and challenging modules. I would strongly recommend Celtic Civilisation to anyone with even the smallest interest in the history, literature, language and culture of the Celts in Ireland and further afield."

Rosemary Shannon Celtic Civilisation and Linguistics Student
Greek and Roman Civilisation was a major highlight of my time in UCD. The many aspects of life that the programme touches on (history, literature, drama, art, archaeology and language to name a few) kept me engaged and interested throughout. The wonderful teaching of the School of Classics provided me with excellent analytical skills which have been key assets to, and indeed inspired me towards, my subsequent career in law. To enhance my research abilities for my career, and as my undergraduate experience was so enjoyable, I have also undertaken the MA in Classics part-time.

Alex Ryan BA 2011, MA 2019

Why is this subject 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 Civilisation, Latin and Greek. Greek & Roman Civilisation 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 either learn a language from scratch or to develop your existing knowledge. Learn to read works by authors such as Cicero, Homer, Plato, Sophocles and Virgil, in their original languages.

What will I study?

GREEK & ROMAN CIVILISATION

First Year
Classical Greece • Age of Augustus • War and the Hero (Homer and Virgil) • Lost Cities of the Ancient World.

Second & Final Years
Alexander the Great • Greek Tragedy • Heracles the Hero • Greeks, Romans, and Barbarians • Minoans and Mycenaenians • Epic after Virgil • The Oedipus Myth • Pompeii • Eating and Drinking in Antiquity • Family Life in Ancient Greece • Magic in the Ancient World.

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, Livy.

GREEK
We offer a language programme for beginners, leading to the study of authors such as Homer, Plato, 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, coursework essays and learning journals, with some opportunities also for group work.

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/study/

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 DN520 BA Arts

CAO Points Range 2017 N/A
Length of Course 3 Years
DN520 Places 350

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, a third language and three other recognised subjects

Other school leaving examinations See www.ucd.ie/admissions

Level 5/6 QQI–FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

Studying Greek & Roman Civilisation as a Joint Major with one of the below:

Celtic Civilisation Irish/Gaeilge
Drama Studies Irish Studies
English Italian
Film Studies Latin
French Mathematics
German Music
Greek Spanish
History

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other Entry Routes same as above

Studying Greek & Roman Civilisation as a Minor

with one of the following:

Archeology Geography

Other courses of interest

Classics, Art History & Archaeology → 46
Classics, English & History → 47

www.ucd.ie/myucd/artshum
Drama Studies

BA (Hons) (NFQ Level 8) - DN520

Why is this subject 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 from a theoretical and practical perspective 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
- Early Irish Theatre
- Movement

Second Year
- Performance in Everyday Life
- Introduction to Acting
- Performance in Everyday Life

Third Year
- Contemporary Theatre and Performance
- Beckett in Performance
- Theatre of Martin McDonagh
- Research Project
- Performance Project
- Educational Drama
- Augusto Boal
- Staging Performance
- Northern Irish Theatre
- Queer Theatre and Performance

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

Masters programmes are offered in specialised areas of Drama and Performance, including a collaborative MA in Theatre Practice, jointly offered by UCD and The Gaiety School of Acting, and an MA in Writing for Theatre. 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

For example, current offerings during third year include modules that provide students opportunities for intensive study: Performance Project auditions students and creates an ensemble production working with a professional director; Research Project invites students to write on a research topic of their choice with individual staff supervision.

Other courses of interest
- English Literature
- English, Drama & Film
- Music, Film & Drama

Why is this subject for me?
I chose to study drama at UCD because I wanted to pursue a career in theatre but felt I needed the grounding of a university degree. The course is the perfect balance of academic and practical study. The staff are supportive and approachable, which makes a difference on such a big campus. The Performance Project module was the highlight of the course for me as we got to work with a professional director to create and perform in an original piece of theatre. I enjoyed the course immensely and so I continued to the MA in Theatre Practice, the joint MA offered by UCD and the Gaiety School of Acting.
Rosa Bowden
BA 2016 / MA in Theatre Practice 2017

"I chose to study drama at UCD because I wanted to pursue a career in theatre but felt I needed the grounding of a university degree. The course is the perfect balance of academic and practical study. The staff are supportive and approachable, which makes a difference on such a big campus. The Performance Project module was the highlight of the course for me as we got to work with a professional director to create and perform in an original piece of theatre. I enjoyed the course immensely and so I continued to the MA in Theatre Practice, the joint MA offered by UCD and the Gaiety School of Acting"
“From studying English at UCD I have developed a profound understanding and appreciation of literature. It has also given me the opportunity to implement the craft of writing, critical thinking and analysis, helping me to develop how I articulate my ideas in academia and everyday life. The School of English has an extremely friendly and dedicated staff. Each lecturer that I have interacted with has been extremely helpful and approachable. The lecturers and tutors are very passionate about their subject. This is conveyed through their various teaching styles, making for a very enjoyable experience.”

Adesewa Awobadejo English Student

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 Medieval to contemporary times, choosing from more than 60 modules. Modules include:

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

Second Year
Students can study Critical Theory • Reading Medieval Literature • Irish Literature in English • Modern American Literature • Renaissance Literature • Romanism • Victorian to Modern Literature • Twentieth-Century Drama.

Third Year
Students choose from a range of specialist modules on different aspects of literary history and culture including Reading Ulysses • The Body in Pain in Irish Culture • Seamus Heaney and Modern Irish Culture • Apocalypse Then: Old English Literature. These are taught in a variety of ways ranging from small in-depth seminars taught by a single lecturer, to larger, collaboratively-taught classes to research driven modules.

Assessment is through end-of-semester essays and written examinations, as well as a range of continuous assessment methods, including workshops, presentations and project work.

Career & Graduate Study Opportunities
Graduates in English work across a wide range of industries, including: Broadcasting and Journalism • Cultural Production and Arts Management • Public Relations • Business / Finance • Publishing • Law • Politics • Policymaking • Teaching • Heritage Management Consultancy • Tourism • Humanities Research.

There are a wide range of Masters Programmes available in the School of English, Drama and Film, which include: Literature and Culture (with strands in American • Gender, Sexuality and Culture • Medieval • Religion and Culture) – Anglo-Irish Literature and Drama – Creative Writing. See www.ucd.ie/englishdramafilm/study/postgraduate for more detail.

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

BA [Hons] (NFQ Level 8) - DN520
BSc [Hons] (NFQ Level 8) - DN700

CAO Code DN520 BA Arts
CAO Points Range 2017 N/A
Length of Course 3 Years
DN520 Places 350

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, a third language and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other Entry Routes
same as above

Other courses of interest

English Literature
English with Creative Writing
English, European & World Literatures
English, Drama & Film

Other courses of interest

English Literature
English with Creative Writing
English, European & World Literatures
English, Drama & Film
Why is this subject 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 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, television and other media, and engage with relevant critical writing, building awareness of media in social, cultural, historical and theoretical contexts. Modules may include:

First Year
Perspectives on Media I & II.

Second Year
Action-Adventure Cinema • Hollywood • Irish Cinema and Television • History of Television • Documentary Film.

Third Year
Film Animation • Contemporary Alternative and Independent Cinemas • Social and Digital Media • Television Genres.

Students attend lectures and tutorials 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 assessed via a variety of essays and projects.

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), journalism, and television and film production. Graduate study opportunities include MA and PhD degree programmes in 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

“When deciding what I wanted to study at university I had one simple criteria: I wanted to love what I studied. I have loved every minute of Film Studies at UCD. The course beautifully combines academic literature with artistic texts to interlink both the critical and the creative. It covers everything from European cinema, to digital and social media studies. Additionally, I had the chance to spend the third year of my BA studying abroad in Amsterdam, which allowed me to experience a whole new culture. This year, I have received offers from various news publications and media outlets and this would never have been possible without the incredible tutelage I have received from the Film Department in UCD.”

Anna Joyce
English and Film Studies Graduate 2018
“Studying French enables you to access a diverse range of modules including language, literature, history and culture. I spent my third year on Erasmus in Lyon, one of the highlights of my university experience. This immersive linguistic and cultural experience allowed me to develop personally and to enrich my subject knowledge. I am currently working as an accountant through French. What the French Department at UCD has offered me on both an academic and personal level is second to none. The lecturers are very approachable and so many doors are open to you by studying here. I cannot recommend it enough!”

Conor Doran French Graduate 2016

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 an 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 built-in year abroad, consider DNS41 Modern Languages.

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

Final Years
Deepening Linguistic and Cultural Awareness: French Language IIa & IIb • 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, DNS20, 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 higher results.

UCD Arts & Humanities

French

BA (Hons) [NFQ Level 8] – DNS20
BSc (Hons) [NFQ Level 8] – DN700

CAO Code DNS20 BA Arts

CAO Points Range 2017 N/A
Length of Course 3 Years
DNS20 Places 350

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, a third language and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

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

Studying French as a Joint Major with one of the below:

Art History Irish Studies
English Italian
Film Studies Latin
German Linguistics
Greek Mathematics
Greek & Roman Civilisation Music
History Spanish
Irish Gaeilge Statistics
Irish Folklore

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of course 4 Years
DN700 Places 500

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other Entry Routes same as above

Studying French as a Minor with:

Politics & International Relations

Other courses of interest

Modern Languages → 55
English, European & World Literatures → 49
Languages, Linguistics & Cultures → 53
Law with French Law → 80
German

BA (Hons) (NFQ Level 8) - DN520
BSc (Hons) (NFQ Level 8) - DN700

**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.

Students of German are strongly encouraged to spend an Erasmus year abroad at a host university in Austria or Germany as part of their degree. A year abroad is a valuable experience, which allows you to perfect your language skills and broaden your horizons. This is recognised in the degree title itself: BA students who successfully complete a year abroad graduate with a BA International. If you wish to study more than one language with a year abroad, consider the BA Modern Languages degree, which incorporates a year abroad with the study of two main languages.

**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 Literature
  - Introduction to German Literature
  - Introduction to German Linguistics & Translation.

**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 Beginners. For the non-beginners level a minimum of H4 grade in Leaving Certificate is strongly recommended.

**Studying German as a Joint Major with one of the below:**

- Art History
- Celtic Civilisation
- Drama Studies
- English
- Film Studies
- French
- Greek
- Greek & Roman Civilisation
- History
- Irish/Gaeilge
- Irish Folklore
- Italian
- Linguistics
- Music
- Statistics

**Studying German as a Minor**

with one of the following:

- Sociology
- Economics
- Politics & International Relations

**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
- 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, 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)
- Erlangen
- Graz
- Konstanz
- Leipzig
- Münster
- Munich
- Potsdam
- Vienna
- Würzburg

**Sharing my experience**

"Studying German at UCD gave me a wider understanding of not just how to speak the language but also how to understand German culture, history and literature. I was a member of both the German Society and the German Debating team during my time at UCD. In my third year, I received a Scholarship to study at the Friedrich Alexander University in Erlangen, Germany. This opportunity was invaluable, as it not only perfected my German language skills, but I also gained international work experience working for the University's Learning Innovation team. After my final exams, I went straight into full-time employment at Accenture and I now work in Lidl. Both of these jobs require fluency in German, made possible by degree."

Sarah Gordon
German and Linguistics Graduate 2016
"Studying History in UCD has transformed my view of the world. I loved the range of modules on offer. The lecturers in the history department are its greatest assets. Their openness and availability to discuss matters relating to the course and their help to students meant that it was easy to develop working relationships. Some people in my class have gone on to work in a variety of industries from the civil service to teaching, while others used the degree to go into further studies such as law, history and information studies. Following my completion of the course I was accepted straight into an MA degree in archives and records management and on completion of my MA, I started work straight away as an archivist."

James Flood History Graduate 2015

Why is this subject for me?
Humans live through their stories. Studying History is the best way of making sense of our own stories and experiences. If you are interested in the real decisions that people have made and if you wonder how ideas, commerce, warfare, science, empires, and revolutions have forged new worlds, then History is the subject for you. The School of History is the leading centre for historical research in Ireland and will open possibilities to a career working with history across a wide range of careers and industries.

What will I study?
You will study Irish, European, and World History from the Middle Ages to the present. You will engage with different aspects of History - political, cultural, social, and economic. You will explore questions and problems, and develop your critical thinking skills and your ability to express your ideas and arguments.

DN530 Single Subject History
If you wish to take History as a Single Major Subject, you will study the courses listed by year. In addition, you will undertake intensive training on archives, research methods, and historiography, across the four years. Single Major History students also have the opportunity to apply for an internship in third year. In fourth year, you will write a dissertation and design your own research programme, under close supervision.

DN 520 Joint Honours Degree
Students who choose to take History as a Joint Honours three-year degree can study History combined with Archaeology, Film Studies, Irish, Mathematics, Spanish, Art History, French, Irish, Folklore, Music, Celtic Civilisation, Geography, Irish Studies, Philosophy, Drama, German, Italian, English, Greek and Roman Civilisation, Linguistics and Sociology. Explore the past, examine a wide range of periods and topics from around the globe and study the different ways that the past can be understood.

First Year
First year offers a broad choice of subject areas that range from medieval to modern European and Irish History and include modules such as:

- Rome to Renaissance - Modern Europe 1500-2000 - Ireland’s English Centuries - From Union to Bailout: Modern Ireland. In First Year, you also will take ‘Creating History’, where you will study in a small group with a historian, to develop the skills that are essential to the subject.

Second Year
In second year, you begin to specialise in the areas of History that you are most interested in, focussing on particular countries, themes, and periods.

Third Year
You deepen your historical interests through our small-group specialised research-based courses. In weekly two-hour seminars, you will engage in primary source research, deliver class presentations, and write your own research project. You can also study abroad.

Assessment
Assessment for History modules is a mix of coursework, essays, learning journals, exams and presentations. In the final year, research papers make up the vast bulk of the grades.

International Study Opportunities
Students can study at partner institutions across Europe, North America, and Australia. An increasing number of European partners offer some courses through English, though we recommend that students take the opportunity when studying abroad to develop their language skills.

Career & Graduate Study Opportunities
History students acquire key transferable skills that are attractive to a wide range of employers. These skills include critical thinking, creativity, writing, and researching. Recent graduates work in organisations such as RTÉ, the National Museum, Google, Dáil Éireann, Government Departments, and the EU Commission. You can continue to study History at Postgraduate or PhD level, or use your History degree to progress to a wide range of prestigious postgraduate conversion courses.
"Two thoughts come to mind when I think back over my time as a student of Modern Irish in UCD. Firstly, the School of Irish, Celtic Studies and Folklore is a wonderful and welcoming destination to study. Secondly, the lecturers’ classes were always interesting, informative and enjoyable. In addition, outside the lectures, I always had a strong bond with my fellow students and with the broader faculty. I discovered my Irish-speaking family here, learning together, eating lunch together in our Student Space (Seomra Caidrimh) and spending memorable days in the Gaeltacht together. Irish is not just a university subject in UCD: it’s a living language and source of community as well.”

Stiofán Ó Briain
Modern Irish Graduate

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Cén fáth go n-oirfeadh an t-ábhar seo dom?
– Má tá suim agat sa Ghaeilge
– Máis mian leat barr feabhais a chur ar do chuid scileanna cumarsáide agus teanga
– Máis spéis leat cur leis an eolas atá agat ar litriocht agus ar stáir na nGael

Tá atmáisféar foghlama bríomhar, scoláirtha ar fáil sa Nua-Ghaeilge, rud a chuirfidh go mór leis an spéis agus leis an taithí atá agat san ábhar. Tabharfadh na modhú ar fáil atá sa Nua-Ghaeilge a ligear duit ar réimsí léinn nuaaimseartha agus stairiúla, idir theanga agus litriocht – Ó Fhionn 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 Cumarsáid)
– Nualitríocht
– Irisoireacht na Gaeilge
– Litríocht bhéil
– Teangeolaíocht na Gaeilge
– Litríocht na Gaeilge Clasaicí
– Scannánaíocht

Spreagtar rannpháirtíocht sna ranganna beaga teagaisc agus cuirtear deiseanna cumarsáide ar fáil níos fearr ná n-áirítear.

Deiseanna Gairme agus Staidéir

Iarchéime
– Láithreoir teilifíse, múinteoir ranga, aisteoir, taighdeoir, cóiptheoir, riarchéime, ateangaire, léachtóir nó iriseoir.

Deiseanna Staidéir Idirnáisiúnta
– University of Edinburgh, UK
– Sabhal Mòr Ostaig, University of the Highlands and Islands, UK
– Aberystwyth University, Wales
– Philipps-Universität Marburg, Germany
– University of Western Brittany, France
“I have found Folklore to be a fascinating subject with an impressive range of challenging and rewarding modules. The enthusiastic and dedicated lecturers have inspired my studies and encouraged my participation and engagement. So, if you are curious about popular and traditional culture, society and identity, and human existence in everyday life, then I would strongly suggest that Folklore will transform your interests into a passion. Become fabulously enriched by Folklore - you won’t be disappointed.”
Brian Simpson Irish Folklore Student

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. This 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 & Final Years
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 MA and 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.

KEY FACT
UCD houses the award-winning UNESCO National Folklore Collection. It is recognised as one of Europe’s largest archives of oral and cultural history.
Irish Studies

BA (Hons) [NFQ Level 8]

"Irish Studies encompasses a varied, interesting and challenging range of subjects. I have explored and acquired a flavour for Irish archaeology, early and modern film and literature. Engagement with turn of the century and modern Irish drama has definitely touched a chord, sparking off an ongoing interest in the subject. The treatment of gender in modern Irish literature was extremely interesting. If you enjoy all things Irish and embrace diversity, Irish Studies is well worth considering."

Claire Coman
Student

Why is this subject 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 and Social Sciences programme subject areas, including Irish, Folklore, Celtic Civilisation, 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 of Arts and Humanities.

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, Europe and South Africa.
“I chose to study Italian to learn the language which has always interested me, but also to deepen my understanding about Italian culture and its rich history. I am leaving UCD with a passion for Italian, having had an amazing experience in Italy on Erasmus. Since first year I have found that the lecturers and staff in the Italian Department are enthusiastic, patient and dedicated to each student which is essential to the environment, when trying to learn a language. Overall, my experience studying Italian in UCD has been especially positive and I intend to continue learning and studying Italian after graduation.”
Maeve Redmond Final Year Student

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 Modern Languages.

What will I study?
You will study language modules each year and also choose from modules, such as:
- The Making of Modern Italy
- Women’s Writing
- Renaissance Italy
- Culture Under Fascism
- 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
- The Diplomatic Service
- 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, to achieve the level of proficiency required by employers and for graduate studies. We have links with:
- Cagliari
- Macerata
- Milan
- Rome
- Trento
- Urbino.

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 higher results.

Other courses of interest
Modern Languages ➔ 55
English, European & World Literatures ➔ 49
Languages, Linguistics & Cultures ➔ 53

KEY FACT
Italian is open to both beginners and non-beginners.
How are languages structured?

How we use language to represent

The structure and meaning of words

How is language acquired?

Why do we not all speak the same way?

The way language is acquired by children

Linguistics

BA (Hons) [NFQ Level 8] - DN520
BSc (Hons) [NFQ Level 8] - DN700

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?
- Why do we not all speak the same way?

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 represent ourselves and to communicate with others

Second & Final Years

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

- Language Variation & Change
- Language Disorders
- Endangered Languages
- English as a World Language
- Intercultural Communication
- The Corpus-based Study of Language.

Linguistics modules comprise a lively mix of lectures, tutorials and hands-on exercises. 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
- Database analysis

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, computer science or sociology.

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

Linguistics has offered me so much in expanding my understanding of language and how it is acquired and used. Through Linguistics, I have developed my critical thinking and my research skills, helping me excel in college. This has also been a useful tool in my life. This is exceptional, as when I started in UCD I was indecisive when choosing my subjects, and opted for Linguistics as a third subject. The course description was enticing, and in the end, the content, lectures and the staff, made for such an enjoyable experience.”

Jason Andres Student
In UCD you gain an education which introduces you to many different cultures, genres and theories of music that you would not experience anywhere else. The diversity of the faculty is very beneficial as you receive a very broad education, from theory to classical music, to music from around the world and from popular culture. The lecturers motivate every student to reach their full potential and have a great rapport with the students. As a member of the UCD Symphony Orchestra I have travelled to Sweden and Belgium, and performed in many amazing local venues. Having gone on to do the Masters programme here in the School, I can surely say that UCD School of Music will forever hold a special place in my heart! 

Rachel Hally Graduate

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
Writing about Music • Music, Culture & Society • Music Theory and Musicianship • Performance Ensemble Electives.

Second & Final Years
Music History • Formal Analysis • Musics of the World • Irish Music • Baroque Counterpoint • Harmony and Keyboard Harmony • The Piano Concerto • Popular Music • Performance Ensemble Electives • Music, Sound and the Moving Image • African-American Religious Music • Coming to Know Medieval Song • Philosophy of Music.

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.

BMus
Students who wish to move to a pure music degree, after completing the first year of the BA, may apply to transfer to the single subject BMus, subject to meeting the entry requirements. Alternatively, following completion of the BA, you may add a BMus degree by studying for a further year.

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, Waseda University, Japan, and 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.

CAO Code DN520 BA Arts

CAO Code DN700 BSc Social Sciences
Spanish

BA (Hons) [NFQ Level 8] - DN520
BSc (Hons) [NFQ Level 8] - DN700

CAO Code DN520 BA Arts

CAO Points Range 2017 N/A
Length of Course 3 Years
DN520 Places 350

For general entry requirements, see pages 190-186

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, a third language and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
www.ucd.ie/FET.html

Mature Entry Route
See www.ucd.ie/maturestudents

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 Spanish or equivalent is strongly recommended.

Studying Spanish as a Joint Major with one of the below:

Art History
Celtic Civilisation
Drama Studies
English
Film Studies
French
Greek

Greek & Roman Civilisation

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-186

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other Entry Routes same as above

Studying Spanish as a Minor

with:

Politics & International Relations

Other courses of interest

Modern Languages
Languages, Linguistics & Cultures

www.ucd.ie/myucd/artshum

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 degree. 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 Modern Languages.

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 & Final Years

Language • Latin-American Literature & Culture • Modern Novel • Film • Poetry • Fine Arts • Theatre • 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 Masters 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 higher results.

"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 Spanish Student
“I got to know the lecturers and tutors very well, which is important. They were incredibly friendly and approachable. I enjoyed how Celtic Civilisation drew on a variety of disciplines in order to explore the world of the Celts, such as History, Linguistics and Folklore. The course teaches you a variety of skills which could be applied to numerous careers, and the way in which the subject is taught makes the student experience in UCD an enjoyable one.”

Ronan O’Reilly
Graduate

Why is this programme for me?
Are you interested in pursuing research or a career in culture, the arts, or heritage? This unique interdisciplinary programme covers all of these areas, ranging across Celtic Studies, Art History and History. The core of this programme will see students examine the history, literature, language and culture of the Celts across the centuries. It will challenge students and will develop their critical thinking and evaluation skills, as well as providing an appreciation of the complexities of ideas, societies, cultures, languages and art.

What will I study?
In this programme, the study of the history of the Celts will be placed in a European and global context, allowing for a deep understanding of Celtic civilisation from antiquity to the present day. Students will also engage with the aesthetic, stylistic, historical and critical elements of the visual arts: painting, sculpture, architecture, the decorative arts and modern visual art forms, including photography, video and performance. The diversity of choice in the modules that are available from Early Irish and Welsh to Medieval Art and Architecture, and folklore and migration – draws together Celtic Studies, Art History and History.

First Year
Students take a core interdisciplinary module entitled ‘The Celtic World Today’ and then choose to study from the full range of Celtic Studies, Art History and History modules, such as: Introduction to Celtic Civilisation - Early Medieval Ireland, its history and literature - Medieval Welsh literature - Vikings in the Celtic World - Ireland’s English Centuries - Creating History - Modern Ireland - Tools of Art History - Giotto to Michelangelo - Caravaggio to Turner - Art & The Modern World.

Second Year
Choose from the full range of Celtic Studies, Art History and History modules, such as: Medieval Ireland - Northern Ireland - Islam & Christianity - British Empire - Modernism: Art & Utopia - The Art & Architecture of Classical Antiquity - Irish Medieval to Early Modern Art & Architecture - Modern Architecture - The Study of Folklore - Poets, Power and Performance - Literature and Language in Early Ireland.

Third Year
Undertake an internship or study abroad for a semester and choose to study from the full range of Celtic Studies, Art History and History modules.

Fourth Year
Undertake a research dissertation drawing on the disciplines studied and choose to study from the full range of Celtic Studies, Art History and History modules

Career and Graduate Study Opportunities
Students on this programme will gain the transferable skills highly valued by employers in the cultural and heritage sector, education, archives, media, journalism, public service, museums and art galleries, research, and a wide range of private sector employment opportunities that require interdisciplinary competences. In addition to MLitt and PhD programmes in Art History, Celtic Studies and History, this programme prepares students for graduate study in many areas, including: Celtic Studies - Art History - History - Film - Drama - Media Studies - Cultural Studies - Education - Archives - Cultural Policy & Arts Management.

International Study Opportunities
Opportunities for study abroad include those at universities in: Iceland - Norway - France - Wales - Scotland - Austria - Germany - Italy - Poland - Spain - Switzerland - America - Australia.
Classics, Art History & Archaeology

BA [Hons] (NFQ Level 8)

Why is this programme for me?
Students who take this programme will benefit from the inter-disciplinary study of the visual arts, archaeology, and material culture from prehistory and antiquity to the present day. In Classics, you will use literary and historical analysis along with the visual and material evidence to reconstruct the lost worlds of the Greek and Roman past; in Art History, you will learn the skills of visual analysis and learn how to read images in their social and cultural context; and in Archaeology, you will learn the principles and practices of archaeological approaches to material culture and landscapes in order to explore past human societies.

What will I study?
Classics is the study of the history, literature, and material culture of the Greek and Roman Mediterranean from the Bronze Age to Late Antiquity. It is a subject which inspired the Renaissance and remains central to understanding modern European culture and society.

Art History interprets the art of different ages, assesses its meaning, development, context and quality. Students study systems of formal analysis such as composition, style or iconography; patronage and social context; conceptual and historical analysis.

Archaeology uses past material culture and landscapes to reconstruct human lives. Students of archaeology learn interdisciplinary, creative approaches to understanding human societies past and present and explore the key events that have shaped history.

First Year
Take an interdisciplinary module based in the UCD Classical Museum and choose from the full list of Classics, Art History and Archaeology modules, including: Classical Greece • Age of Augustus • Lost Cities of the Ancient World • Giotto to Michelangelo • Caravaggio to Turner • Exploring Archaeology • Introduction to the Archaeology of Ireland • The Human Past • Anthropology.

Second Year
Take an interdisciplinary module on the theme of Cultural Heritage and choose from the full list of Classics, Art History and Archaeology modules, including: Art and Monuments of Imperial Rome • Minoans and Mycenaean • Greeks, Romans, and Barbarians • Irish Medieval to Early Modern Art and Architecture • Art and Architecture of Classical Antiquity • Studies in Antiquity • Archaeology of Things • Archaeology of Landscapes • How Archaeologists Think • Cultural Heritage.

Third Year
A core module based on summer fieldwork in Glendalough and a selection from the full range of modules in Classics, Art History, and Archaeology.

Fourth Year
Option of a research dissertation in the three disciplines and a selection from the full range of modules in Classics, Art History, and Archaeology.

Career & Graduate Study Opportunities
Graduates will have skills in critical thinking and interdisciplinary analysis which will prepare them for careers in the cultural and heritage sector, education, archives, media, journalism, public service, museums and art galleries, research, and a wide range of private sector employment opportunities. The programme provides a broad range of transferable skills, from working in teams through varied forms of presentation to independent research.

International Study Opportunities
Students will have access to both EU and non-EU destinations through a suite of programmes including Erasmus, Erasmus+ and the study abroad and partnership arrangements that UCD has with universities across the globe.

"The Classics and Archaeology students and faculty members get to know each other easily and quickly, which is invaluable in a large university. The degree has allowed me to explore career options that range from further scholarly and academic studies, to careers in international heritage management. I loved my time at UCD, thanks to the subject combination I chose and the people I met, through my subjects. I enjoyed my time so much that I chose to undertake an MA in Classics."

Zoë Purser-Doyle Graduate
"I loved studying English and Classics. From modern literature back into history and the classical world, a huge range of modules is on offer. UCD even has its very own Classical Studies museum tucked away upstairs, which is full of artefacts and interesting information! I loved my time spent studying and found the teaching in UCD to be of a fantastic standard. So much so, that I continued on to study an MA in American Literature in UCD, and I am now completing my Professional Master’s of Education (also in UCD) in order to become an English and Classical Studies teacher.”

Joanne Collins Graduate
## English, Drama & Film

### BA (Hons) [NFQ Level 8]

**CAO Code:** DN530  BA Humanities

**CAO Points Range 2017** N/A  
**Length of Course** 4 Years  
**DNS30 Places** 220

For general entry requirements, see pages 190-198  
Leaving Cert Subject Entry Requirements  
O6/H7 in English, Irish, a third language and three other recognised subjects  
Other school leaving examinations  
See www.ucd.ie/admissions  
Level 5/6 QQI-FET  
See www.ucd.ie/FET  
Mature Entry Route  
See www.ucd.ie/maturestudents

### Why is this for me?

Study English, Drama and Film if you are interested in the relationships between literature, drama and film. Refine your critical engagement with a wide variety of texts and cultures, in different genres and media, and across different national and historical locations. Consider the role of cultural representation across a diverse range of genres, forms and time periods in shaping community and societal structures and beliefs. Explore how the study of English, Drama and Film intersects with questions of gender, race, and identity. Become a critical and creative thinker.

### What will I study?

You will study theories, histories, forms and genres of literature, drama, film and media culture from the medieval period to the contemporary moment. There is a wide range of modules available to you from across all three subject areas – English, Drama, and Film – allowing you to find and follow your own interests through the programme. In addition, there are dedicated transdisciplinary modules which focus specifically on the intersections between film, literature, drama, and media texts and cultures. You will develop your critical skills via a range of teaching modes (lecture, tutorial, seminar, research supervision), through collaborative and peer learning, and independent, self-directed scholarship.

**First Year**
- Page, Stage, Screen 1 & 2  
- Literature in Context 1 & 2  
- Theatre Context and Conventions  
- The Theatrical Event  
- Perspectives on Media 1 & 2

**Second Year**
- Critical Theory  
- Reading Medieval Literature  
- Renaissance Literature  
- Romantic Literature  
- Performance in Everyday Life  
- Staging Performance  
- Contemporary Ireland on Stage  
- From Victorian to Modern  
- Twentieth Century Drama  
- History of Television  
- Hollywood Cinema

**Third Year**
- Fin-de-Siècle  
- Shakespeare in Context  
- Contemporary Historical Novel  
- Contemporary Theatre and Performance  
- Staging Texts  
- Animation  
- Medieval Celluloid  
- The Modern City in Literature  
- Internship  
- Semester Abroad

**Fourth Year**
- Monsters of the Market: Zombies, Vamps, and the Zombie Apocalypse  
- Shakespeare in Context  
- Revolutions in Twentieth Century World Theatres  
- Alternative Cinemas  
- TV Genres  
- Dissertation

### Career and Graduate Study Opportunities

Graduates of UCD School of English, Drama and Film have found employment as writers, dramatists, and filmmakers, and in areas such as journalism, broadcasting, cultural agencies and industries, research and administration, education, and advertising and public relations.

There is a wide range of MA Programmes available from UCD School of English, Drama and Film, as well as opportunities for MPhil and PhD study. MA programmes include:
- Literature and Culture  
- Anglo-Irish Literature and Drama  
- Creative Writing  
- Theatre Practice  
- Drama and Performance Studies  
- Writing for Theatre. Film Studies

See [www.ucd.ie/englishdramafilm/study/postgraduate](http://www.ucd.ie/englishdramafilm/study/postgraduate) for more detail.

### International Study Opportunities

We offer a number of Erasmus and Study Abroad opportunities, including in:
- Albert-Ludwigs-Universität, Friburg, Germany
- Université Sorbonne (Paris IV), France
- University of Turin, Italy
- University of Otago, New Zealand
- University of British Columbia, Canada
- University of Amsterdam, the Netherlands
- University of Coimbra, Portugal
- University of Barcelona, Spain

**“I have thoroughly enjoyed my time studying in the School of English, Drama and Film. What has struck me most about the combination of these subjects is the fact that the skills acquired in one subject can be applied to the others as there is great correlation between the material covered in these subjects. Overall, this is a fantastic degree as it furthers your understanding of how to structure an academic essay on either written or audio-visual texts and also exposes you to historic, cultural and social contexts which you may be unfamiliar with prior to your college career.”**

Ruairí Costello  
English and Film Studies Student

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**Other courses of interest**

- Music, Film & Drama  
- English, European & World Literatures

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**UCD School of English, Drama & Film**  
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[facebook.com/MyUCD](http://facebook.com/MyUCD)

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**www.ucd.ie/myucd/artshum**
"In UCD, I have been able to combine my passion for French with my keen interest in English literature. I spent an unforgettable Erasmus year in Lille, studying literature, improving my fluency in French, and developing valuable intercultural skills. My degree has allowed me to excel personally and professionally, providing me with a wealth of transferable skills that national and international employers look for in graduates nowadays. I enjoyed my studies so much so that I have embarked upon doctoral research in French literature!"

Emma Dunne
French and English Student

Why is this programme for me?
This programme develops a comparative understanding and a questioning of the literary and intellectual legacies of European languages, including English. You will examine literatures in their historical context, analysing the artistic and literary movements that shaped European society. You will also look at the ways in which these languages and literatures have migrated and evolved across the world, and assess the role of literature in encoding and challenging cultural identities in transnational contexts.

What will I study?
Students will read English and one of the modern languages: French, Spanish, Italian or German.

You will study a wide range of modules, encompassing a wealth of geographical, chronological and generic diversity from the Renaissance to the contemporary period; from Ireland, England and continental Europe to Africa, the Americas, Australia and Asia; from poetry, prose and drama to history of ideas and cinema – hence developing your ability to analyse critically the ways in which language, literature and ideas interact, and how they inflect and shape the societies in which we live. In addition to these literature and culture modules, you will take language modules in your chosen European language, since cultural engagement can only be achieved through an advanced level of linguistic competence. All European language modules focus on the texts written in the original language.

First Year
English modules: Literature in Context 1 and 2 • Contemporary Irish Writing • Literary Genre • Foundational literature and culture modules in French, Spanish, Italian or German.

Second Year
Choose from a wide range of English modules and a wide range of literature and culture modules in French, Spanish, Italian or German. Students also take language proficiency modules in French, Spanish, Italian and German.

Third Year
The third year is spent abroad in either: France • Canada • Spain • South America • Portugal • Germany • Austria or Italy, depending on the language of study. Students will continue their study of English literature also and benefit from different pedagogical approaches.

Fourth Year
Specialised option literature and culture modules in English and one of French, Spanish, Italian or German. Language proficiency modules in French, Spanish, Italian or German.

Research dissertation on a topic related to either English literature; the literature and culture of a European language; or a subject of a transdisciplinary, comparative nature.

Career & Graduate Study Opportunities
International relations • Education • Translation and interpreting • Journalism and media • Tourism • Careers in the EU • Publishing • Law • Academia and research • Arts administration • Heritage management • Public administration.

In addition to MLitt and PhD programmes, this programme prepares students for postgraduate study in the School of Languages, Cultures and Linguistics, and the School of English, Film, Drama and Creative Writing.

International Study Opportunities
Exchange partners include universities in Paris • Lyons • Bordeaux • Rouen • Rennes • Angers • Besançon • Geneva • Brussels • Montreal • Salamanca • Bilbao • Seville • Zaragoza • Chile • Uruguay • Argentina • Berlin • Leipzig • Munich • Vienna • Rome • Milan • Trento and Urbino.

CAO Code DN530 BA Humanities

CAO Points Range 2017 N/A
Length of Course 4 Years
DN530 Places 220

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements 06/H7 in English, Irish, a third language and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET
Mature Entry Route
See www.ucd.ie/maturestudents
English with Creative Writing

BA (Hons) (NFQ Level 8)

Why is this programme for me?
If your interest in literature extends to an ambition to write creatively, this degree programme will support that ambition through classes, workshops, and seminars dedicated to the development of your creative talent. In the final year, you will work on – and complete to a high standard – a substantial writing project. To help you reach this standard, you will be advised and directed by one of the supervisors on the Creative Writing team.

What will I study?
You will study the work of a wide range of writers, focusing on how they create their works. You will learn about form and genre. You will explore a range of narrating voices by reading texts selected to illustrate this range. In a similar way, you will learn how characters are constructed, how to handle dialogue, how to manage time and sequencing and many other elements of the craft of writing, which will be generally helpful and occasionally inspiring in your own writing. You will be introduced to contemporary developments in literature by considering the work of a number of Irish writers, who will address the class and provide valuable insight into the writing process.

First Year
Creative Writing 1 & 2 • How to Read Poetry • Writing the Body • Literature in Context 1 & 2 • Contemporary Irish Writing • Literary Genre • Plus another subject • Plus Elective modules

Second Year
Intermediate Creative Writing 1 & 2 • Critical Theory • Medieval Literature • Irish Literature in English • Renaissance Literature • Romanticism • Victorian to Modern Literature • Modern American Literature.

Third Year
Poetry Workshop • Fiction Workshop • Creative Non-Fiction Workshop • Students will also choose from a wide range of specialist English modules such as Paradise Lost, Shakespeare in Context, Austen’s Peers, Yeats, Reading Ulysses, Reading Beckett, The Theatre of Martin McDonagh.

Fourth Year
Advanced Creative Writing Workshops • Students will also choose from a wide range of advanced English modules, including Contemporary Historical Fiction, the Crime Novel, Contemporary Irish Writing, Memory and the Irish Stage, Contemporary Irish Women’s Poetry, Modern American Poetry and Poetics

Career and Graduate Study Opportunities
Creative Writing graduates often find employment as writers, editors, in the publishing sector, as literary agents, literary event support, literary centre support, and as literary critics.

Many also enter other professions including: Broadcasting and Journalism • Cultural Production and Arts Management • Public Relations • Business / Finance • Law • Politics • Policymaking • Teaching • Heritage • Management Consultancy • Tourism • Humanities Research, and many others.

The School of English, Drama and Film offers a wide range of postgraduate programmes, including MA, MFA and PhD. Programmes include: the MA and MFA in Creative Writing • MA in Writing for Theatre • MA in Literature and Culture • MA in Anglo-Irish Literature and Drama.

See www.ucd.ie/englishdramafilm/study/postgraduate for more details.

International Study Opportunities
Students will have access to both EU and non-EU destinations through a suite of programmes, including Erasmus, Erasmus+ and the study abroad and partnership arrangements that UCD has with universities across the globe.
“My undergraduate studies in the English Literature programme were highly rewarding. Our small course size meant that we all got to know each other well, and came to value the opportunity to share ideas in a supportive environment. It also allowed us to work closely with the exceptional faculty members, who were always available for individual guidance and encouraged us along any path we wished to follow. Overall, the programme enabled me to develop vital abilities for postgraduate study and further research. These skills will be of paramount importance to me in my upcoming MA studies and throughout my professional life. I can wholeheartedly affirm that the programme does justice to Dublin as a UNESCO City of Literature.”

Asia Hart-Eason English Literature Student

Why is this programme for me?
Are you an enthusiastic reader and writer who wants to immerse yourself in literature ranging from Old English to new writing being published today? Do you want to explore the radical potential of novels, plays and poems to change lives? Would you like to analyse literary concepts and forms deeply, to creatively connect ideas across a wide range of cultures, periods, genres and media, and to develop your critical thinking and analytical skills to an advanced level? Would you like to study with world-class researchers and teachers, and develop your own unique research project? If so, the BA Humanities Degree in English is for you.

What will I study?
You will study texts ranging from the Old English, medieval and early modern periods to the nineteenth and through to the twenty-first century – writing which extends across national boundaries and regions, from British to Irish to American to World Literature, and covering multiple genres. You will explore literary production, value and impact – how fiction, poetry and drama are inspired, shaped, released and received in particular historical and cultural contexts – learning how the meanings of literary texts change and renew across time and space.

First Year
Literature in Context 1 & 2 • Contemporary Irish Writing • Literary Genre • How to Read Poetry • Writing the Body • Critical Reading / Creative Writing • Literature and the Marketplace.

Second Year
Critical Theory • Reading Medieval Literature • Reading Old English • Spenser in Ireland • Irish Literature in English • Modern American Literature • Renaissance Literature • Romanticism • Victorian to Modern Literature • Twentieth-Century Drama.

Third Year
Choose from a wide range of specialist modules in different literary fields, including: The Body in Pain in Irish Culture, Literature and Science, Architecture and Narrative, Contemporary Historical Fiction, Literary Studies and Digital Humanities, Literature, Modernity and the Sea, and many others. Students may choose to study abroad or apply for an Internship.

Fourth Year
Dissertation • World Literature in English • Advanced Medieval Literature • Plus specialised Option modules on: Austen, Shakespeare, Joyce, McDonagh, Heaney, Chaucer, Synge, McPherson, Talking Animals, the Crime Novel, Post-War US Theatre, Canadian Fiction, and many others.

Career & Graduate Study Opportunities
Our English graduates have found employment in: Broadcasting and Journalism • Cultural Production and Arts Management • Public Relations • Business / Finance • Publishing • Law • Politics • Policymaking • Teaching • Heritage • Management Consultancy • Tourism • Marketing • Humanities Research, and many other areas. There are a wide range of MA Programmes available in the School of English, Drama and Film, as well as opportunities for MPhil and PhD study. MA programmes include: Literature and Culture [with specialisms in American • Gender, Sexuality and Culture • Medieval • Modern and Contemporary • Renaissance]; Anglo-Irish Literature and Drama; Creative Writing. See www.ucd.ie/englishdramafilm/study/postgraduate for more detail.

International Study Opportunities
We offer a number of Erasmus and Study Aroad opportunities, including at: 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.

UCD School of English, Drama, Film & Creative Writing
Newman Building, Belfield Dublin 4.

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www.ucd.ie/myucd/artshum

CAO Code DN530 BA (Hons) (NFQ Level 8)

CAO Points Range 2017 N/A
Length of Course 4 Years
DN530 Places 220

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
English with Creative Writing
English, European & World Literatures

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
English with Creative Writing → 50
English, Drama & Film → 48
English, European & World Literatures → 49

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History & Politics

BA [Hons] (NFQ Level 8)

Why is this subject for me?

History and Politics is a classic combination of subjects for students looking to investigate the workings of government and society in contemporary and historical perspectives. You will examine why society has changed and seek to understand the issues facing societies across the globe today. Through both subjects, the course will teach you the essential skills of writing, critical thinking, evaluating evidence, and assessing data. This programme offers an excellent interdisciplinary preparation by combining historical research with political science and political theory.

What will I study?

You will study Irish, European, and world history, engaging with political, cultural, social, and economic aspects of history, and investigating historical change, from the impact of ideas to the role of class, gender, and race. You will also study International Relations and a variety of political issues including political conflict, development, human rights, and political economy, always with a focus on the role of government, public policy, and citizens.

First Year

The core first year module is an interdisciplinary module fusing historical and political science approaches to a chosen case study. You will take foundational courses in both history and politics.

Second Year

You will deepen your knowledge by taking core and elective modules in History and Politics. In History, these modules will allow you to allow you to focus on particular countries, themes, and periods. In Politics you will study modules ranging from international relations to human rights.

Third Year

You will enjoy wide freedom of choice in third year to specialise in the area of study that most interests you. You may also undertake study abroad or apply for an internship. A wide range of option modules are available across the two subjects.

Fourth Year

Students take option modules in both subjects in fourth year. The culmination of the programme is a capstone dissertation project, where you will work closely with a supervisor to complete a dissertation in history, politics, or an interdisciplinary mix of both.

Assessment

Assessment for History and Politics modules is through a mix of coursework, essays, learning journals, exams and presentations. In the final years, research papers and the dissertation make up the vast bulk of the assessment.

International Study Opportunities

Students may apply for study abroad opportunities in universities across Europe and worldwide. Both schools have a network of exchange agreements with partner universities.

Career & Graduate Study Opportunities

Graduates of History and Politics have developed key skills in research, analysis and communication that are highly valued by employers. The degree provides a wide range of future career opportunities in both the private and public sector. History and Politics graduates find employment in: International Organizations - Broadcasting and Journalism - Business - Civil Service - Law - NGOs - Publishing - Public Relations - Politics - Research - Teaching - Marketing - Policymaking - Tourism - Heritage.

Graduates are also eligible to apply for UCD MA and MSc programmes in either History or Politics and International Relations, details of which can be found on the relevant school’s website.

Other courses of interest

History → 37
Politics & International Relations → 73
Law with History → 84

www.ucd.ie/myucd/artshum
Why is this programme for me?
This programme is designed for students who are seeking a high level of language and intercultural competency by developing effective communication and analytical skills. The programme takes a holistic approach to language by fostering linguistics, alongside literary and cultural approaches. Students can choose from Irish, French, German, Italian, Spanish, Latin and Ancient Greek. Modules are available in Portuguese and Welsh.

What will I study?
This programme focuses on specific oral and written language skills and critical intercultural and interdisciplinary skills. The programme allows students to explore modern and ancient languages and cultures. Learning activities critically explore communicative practices and students will engage with a variety of approaches to language including approaches based on literary, linguistic, historic and cultural studies. The programme fosters a wide range of transferable skills, including active communications skills, academic writing, speaking and presentation skills, project-work and critical analysis skills.

First Year
All students take an interdisciplinary module: Introduction to Languages, Linguistics and Cultures. They will also take three modules in the language of their choice, three modules in Linguistics and further modules in cultures and literatures. Students may also choose modules from within a second language.

Second Year
Students study their chosen language at intermediate level and continue with their studies in linguistics. They will also study culture and literature.

Third Year
Students may spend an academic year studying abroad or they may combine a semester abroad with an internship or a research project.

Fourth Year
Students will study advanced modules in their chosen language and in linguistics. They will also choose from a range of in-programme options in culture and literature.

Career & Graduate Study Opportunities
This programme prepares students for a variety of career paths, including: careers in education, media, translation, public service, cultural institutions, research, editing and publishing, and a wide range of private sector employment opportunities that require intercultural competences. With regard to the Irish language, one of the main aspects of this programme is to address the status of Irish as a modern working language in the European Union. In addition to MLitt and PhD programmes, this programme prepares students for postgraduate study in a variety of fields, including in the School of Languages, Cultures and Linguistics, and the School of Irish, Celtic Studies and Folklore.

International Study Opportunities
Study abroad opportunities across Europe and worldwide (e.g. Austria · Germany · France [including overseas regions] · Spain · Latin America [including Brazil] · Italy · Croatia · UK · North America · South Africa · and Iceland).

“...
Music, Film & Drama

BA (Hons) (NFQ Level 8)

Why is this programme for me?
Music, Film and Drama are art forms that speak to the very core of human experience; they impact our lives every day. This 4-year programme allows students to immerse themselves in the close study of these forms, to understand them from cultural and historical perspectives, and to explore the ways in which they influence and transform each other. Learn how to understand the inner workings of these art forms. Deepen your knowledge of their historical development. Research and write about the important place of these arts in society.

What will I study?
The first year of the programme builds students’ vocabulary and fluency in key analytical techniques and introduces students to the cultural and historical contexts of music, film and drama. Second year modules broaden the scope of inquiry, moving from central texts and practices to the representation of lesser-known voices and issues. In your third and fourth years of the programme, you will forge your own path, taking modules that focus on specific genres and/or issues in these art forms. You can also choose to incorporate a one-semester humanities internship or study abroad. In the final year, students will work on a major BA dissertation which will allow them to produce a research project on a topic of their choice, working one-on-one with an expert in the field.

First Year
Composition, Performance, and Reception - Adaptation, Transmediality, and Intertextuality - Intro to Physical Theatre - Musicianship - The Theatrical Event - Perspectives in Film I and II - Music, Culture and Society - Theatre Context and Conventions - Film Sound - Performance Electives.

Second Year

Third Year
Internship or Study Abroad Semester - The Symphony and European Culture - Contemporary Alternative Cinema - Staging Texts - Educational Drama and August Boal - Topics in Ethnomusicology - Contemporary Theatre in Performance - Performance Electives.

Fourth Year
BA Dissertation - The Oedipus Myth - Modernism and Avant-Garde - Screen Comedy - Music and Film - Revolutions in 20th Century World Theatre - Film Animation - The Orchestra - Beckett in Performance - Melodrama in Film and Theatre - Performance Electives.

Career and Graduate Study Opportunities
The 4-year pathway prepares graduates to pursue careers in:

The programme also prepares students for graduate study in:
- Music - Film Studies - Drama Studies - Musicology - Ethnomusicology - Media Studies - Cultural Studies - Education.

In addition to MLitt and PhD programmes in Music, Drama and Film, UCD offers the following taught graduate degrees:
- MMus (Musicology or Ethnomusicology) - MA in Film Studies - MA in Drama and Performance Studies.

International Study Opportunities
We offer a number of Erasmus and Study Abroad opportunities, both in Europe [France - Germany - Italy - Spain - Netherlands - Czech Republic] and further afield [Queen’s University, Canada - Waseda University, Japan - University of California, Los Angeles - University of California, Davis - University of Melbourne].

"I studied English and Music for my degree and I enjoyed every minute of it. I found that studying these subjects together complemented and deepened my understanding of both. I write plays now and during a production, it’s important to be conscious of both the physical happenings on stage and the soundscape that will be presented as part of that production. I would recommend studying these subjects together as it provides you with a fuller understanding of complementary disciplines working in harmony to create works of entertainment and art."

Róisín Coyle
Playwright, Music and English Graduate
"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 Modern 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 French and Italian Student

Why is this course for me?
Modern 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 equivalent), and you can take Italian, Spanish and German as a beginner. At least one language should be studied at an advanced level. 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 degree.

What will I study?
First Year
Modules in two languages, at least one language should be studied at an advanced level [post Leaving Certificate equivalent]. Two intercultural modules • Choice of modules in literature, history and cultural studies or linguistics • An optional third language.

Second Year
One intercultural module • Two main languages • Choice of modules in literature, history, and cultural studies or subject-specific linguistics • 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.

Special Entry Recommendation:
For any language chosen 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.
UCD leads the way with the broadest and most diverse Social Sciences programmes in Ireland offering innovative social sciences education and research to address the critical social, political, cultural and economic concerns of our time.

Why UCD Social Sciences?
— Study with internationally renowned academics in the social sciences
— Capitalise on UCD’s impressive international rankings in a wide and diverse range of social sciences subjects
— Develop expertise in the research techniques employed by social scientists
— Gain relevant real-world professional experience with an optional internship in a government agency, a non-profit organisation or a business
— Cultivate a global mindset by taking advantage of opportunities to study abroad in leading universities in the UK, US, Europe and Asia
— Develop the skills required to succeed in today’s rapid-paced business and societal environment, including research, problem solving, analysis and communication
— Become a member of a social sciences alumni network of Irish and global leaders
— Take advantage of the opportunity to study subjects from across all UCD’s offerings with UCD Horizons

Your First Year Experience
— The first year studying social sciences is structured to provide extensive support to incoming students as they make the transition to third-level learning. Each student is assigned a peer mentor (an existing UCD student) and DN700 students are also assigned an academic mentor to offer guidance and support as you navigate your new life in university.
— As you develop expertise in your subjects and become more familiar with the university teaching and learning environment, you increasingly choose your own options, studying areas that interest you. You will be given academic advice and support on your choices as you advance into second year.
## Social Sciences

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Studying UCD Social Sciences

Why do people behave the way they do? How do social, cultural, political and economic forces shape our lives and the world in which we live?

If these types of questions about society and social relationships spark your interest, prepare to be challenged and fascinated by studying social sciences in UCD. You will examine the nature of our society and the issues confronting humanity, including climate change, crime and violence, social and economic inequality, gender justice, sustainable cities, human development, economic growth and big data.

Career Opportunities
Social sciences graduates are valued by employers for their skills in research, leadership and communication. Graduates of UCD social sciences progress to work in government, NGOs, the media and businesses as economists, policymakers, environmentalists, activists, information managers, HR managers, entrepreneurs, journalists, statisticians, urban planners, archaeologists, librarians, secondary school teachers, social workers, researchers and many more professions across the public and private sectors. BSc Social Sciences students may undertake an internship for a semester in Year 3.

International Study Opportunities
As Ireland’s global university, we encourage our students to apply to study for a semester or a year abroad through UCD’s extensive global network of partner Universities. Study abroad is available as an option in our three-year programmes. This will extend your degree by a year and you will graduate with a BSc or BSocSc International degree. In our four-year programme, study abroad opportunities are integrated into the third year curriculum.

All social sciences students can take language modules as electives in addition to their degree subjects through the UCD Applied Language Centre.

Students who take social sciences subjects with a language minor will spend their third year abroad in a partner University.

Graduate Study Opportunities
You may undertake a Master’s related to a discipline you studied in your undergraduate degree, such as international relations, experimental archaeology or behavioural economics. A social sciences degree also allows you to progress to a range of interdisciplinary Master’s degrees in fields such as public policy, cognitive science, criminology, human rights, geopolitics, development studies, equality studies, digital information management, urban environment, world heritage management and more. You may also choose to convert your undergraduate degree with a Master’s in a new discipline such as Law, Business or Computer Science.

THERE ARE FOUR DISTINCT WAYS OF STUDYING SOCIAL SCIENCES AT UCD:

- **BSc Economics (Three Years)**
- **BSc Psychology (Three Years)**
- **BSocSc Social Policy & Sociology (Three Years)**
- **BSc Social Sciences (Four Years)**

BSc Economics - DN710
The three-year BSc in Economics is a Single-Major degree for students who are focused on studying only economics as a single subject. Graduates often progress to further study to become Economists. When you apply for this degree via the CAO, you choose DN710 BSc Economics. See page 61 for more details.

BSc Psychology - DN720
The three-year BSc in Psychology is a professional degree accredited by the Psychological Society of Ireland. You study Psychology in UCD as a single subject degree only. Graduates often progress to further study to become Clinical Psychologists. When you apply for this degree via the CAO, you choose DN720 BSc Psychology. See page 65 for more details.

BSocSc Social Policy & Sociology - DN750
This three-year BSocSc Social Policy & Sociology degree is a Joint Major in Social Policy and Sociology. This degree was previously named the BSocSc in Social Science. Graduates often progress to further study to become social workers and related professions. When you apply for this degree via the CAO, you choose DN750 BSocSc Social Policy and Sociology. See page 66 for more details.
Choose your course from one of the following five options below:

- **Computational Social Science**
- **Economics, Mathematics & Statistics**
- **Landscapes & Society (Archaeology, Geography and History)**
- **Philosophy, Politics & Economics**
- **Two Subject Combination**

### TWO SUBJECT COMBINATION (TSC)

If you choose TSC please note that in a Joint Major degree (e.g. Archaeology and Economics), students take an equal number of modules in both subjects. In a Major/Minor degree (e.g. Geography with English), students take substantially more modules in their Major subject (e.g. Geography).

#### Studying Archaeology
- as a Joint Major with one of the below:
  - Economics
  - Geography
  - Information & Communication Studies
  - Politics & International Relations
- with one Minor subject:
  - Art History
  - Celtic Civilisation
  - Greek & Roman Civilisation

#### Studying Economics
- as a Joint Major with one of the below:
  - Archaeology
  - Geography
  - Information & Communication Studies
  - Philosophy
- with one Minor subject:
  - History
  - Chinese

#### Studying Geography
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Information & Communication Studies
  - Philosophy
- with one Minor subject:
  - English
  - Geology
  - Greek & Roman Civilisation
  - History

#### Studying Information & Communication Studies
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Information & Communication Studies
  - Philosophy
- with one Minor subject:
  - Chinese
  - Music

#### Studying Philosophy
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Geography
  - Information & Communication Studies
  - Politics & International Relations
- with one Minor subject:
  - Chinese
  - Greek

#### Studying Politics & International Relations
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Geography
  - Information & Communication Studies
  - Philosophy
- with one Minor subject:
  - Linguistics
  - Chinese
  - French
  - German

#### Studying Sociology
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Geography
  - Information & Communication Studies
  - Philosophy
- with one Minor subject:
  - Art History
  - English
  - Linguistics

#### Studying Social Justice
- as a Joint Major with one of the below:
  - Archaeology
  - Economics
  - Geography
  - Information & Communication Studies
- with one Minor subject:
  - Art History
  - Chinese

UCD Social Sciences

BSc Social Sciences - DN700
Social Sciences students explore society and how people behave as individuals and in groups. With the four-year Social Sciences degree, you choose DN700 at CAO and then select your preferred option below. Your subject choices are guaranteed. There are options to change subject choices at the end of first year if you wish. You will gain a deep understanding of each subject you choose to study and develop real-world skills in research, communication and leadership. You may additionally apply for an internship, or study abroad for a year or a semester. You will learn to analyse, criticise and challenge beliefs and assumptions – including your own.
Why is this degree for me?
Do you want to work for companies like Google or Facebook or a Public-Sector organisation that deals with big data about individuals, social networks or social groups?

What will I study?
Our social world is dramatically changing. We are all connected and leave digital footprints behind. Computational Social Science is about leveraging the power of big data, computer simulations and social networks to understand social phenomena and individual behaviour. The new BSc degree in Computational Social Science is at the forefront of this development in Europe. It provides a unique combination of training in social sciences subjects. You learn how to understand human social behaviour through data analysis, social simulation and mathematical modelling, providing crucial skills for a competitive job market.

First Year
The first year includes core modules in: Computational Social Science • Programming • Mathematics and Statistics. In addition, students choose two social sciences subjects from: Sociology • Politics • Economics • Geography • Plus an Elective module.

Second Year
The second year includes further courses in Computational Social Science • Programming • Mathematics and Statistics and modules in your two social sciences subjects, as well as electives from a range of other subjects plus Elective modules.

Third Year
The third year provides the opportunity for a semester abroad at another leading university in Computational Social Science and internship with an industry partner.

Fourth Year
The fourth year includes an interdisciplinary workshop and an individual capstone project with industry partners, in addition to modules that will strengthen and consolidate learning in key areas of Computational Social Science.

Assessment
Students usually attend lectures and participate in seminar discussions and lab tutorials. Assessment is based on assignments throughout the semester, small group work, individual reports, traditional exams and other forms of assessment.

Career & Graduate Study Opportunities
This degree is designed to prepare students for employment in companies such as Google or Facebook, but also for work in traditional sectors where the analysis of social data is becoming more and more important. Over the next few years, there will be an increasing demand for graduates who can combine social sciences training with analytical and programming skills. It also leads to a range of graduate study opportunities in social sciences, social data analytics, statistics or computer science.

International Study Opportunities
During the third year, we offer a study abroad semester. Destinations include countries such as: Belgium • England • France • Italy • Netherlands • Norway • Sweden • Spain • USA • Australia • China and South Korea, and the list is continuously expanding.

"Computational Social Science allows me to combine my curiosity about society with training in analytical skills and offers excellent employment opportunities. The skills in advanced statistical modelling I’ve received in the programme are invaluable in the age of big data, social media and the internet of things. Everything and everyone is increasingly connected through the internet. Computational Social Science has helped pave the way for a highly rewarding career. I’m so glad I took a step and filled out the application."

Travis Tatum PhD student in Computational Social Science
“The Single Honours Economics degree has given me many valuable skills to help choose from a wide range of careers paths. The analytical skills gained are extremely valuable. One of the programme’s biggest strengths are the projects undertaken in the core classes, which have been a great talking point for job applications. I received enough specialisation in policy economics to know that I wanted to continue with the M.Sc. Applied Economics at UCD after graduation. Having received one of the School’s Master’s scholarships, my experience with Economics at UCD has helped me gain both a traineeship at the European Central Bank, Germany, and employment in the Irish Government’s Economic Consultancy Service (IGEES) as a Graduate Economist.”

Mojdeh Khandanian Economics Single-Major Graduate, 2016

Why is this course for me?
Economics explores how and why people make decisions and choose between alternative ways of spending their money and using their time, energy and skills. That is why Economics can help to shed light on decision-making in areas from love and marriage, to sports and crime. If you are interested in people’s behaviour and in current affairs, and if you enjoy problem-solving and are naturally analytical with good numeracy skills, then Economics will appeal to you.

What will I study?
What you will study depends on how you will be studying Economics at UCD. The Single-Major Economics (DN710) degree is a three-year concentrated programme designed for students who wish to study Economics intensively throughout their time at UCD. If you wish to combine the study of Economics with another subject, you may study it as a Joint-Major subject through the four-year Social Sciences (DN700) degree.

First Year
All students will study Introduction to Economics, Principles of Microeconomics, Principles of Macroeconomics, and Introduction to Quantitative Economics.

Single-Major students will study additional modules to develop key skills at the early stage in their programme, so that they may proceed to a wide range of advanced and speciality electives in second and third year. Single-Major students also select two optional modules from Sociology, Geography, Politics, Mathematics or Statistics, plus two elective modules.

Second Year
Joint-Major students will be introduced to data analysis and statistical modelling and will take intermediate modules in microeconomics and macroeconomics. Single-Major students will select from optional modules designed to build on core skills, including: Optimisation for Economics, Introduction to Financial Economics and an Economic Research Workshop, plus Elective modules.

Third Year
In their final year, Single-Major students will undertake a substantial research project and choose from optional modules, including: International Money and Banking • International Trade • Financial Economics • Environmental Economics and Advanced Econometrics • Plus Elective modules.

Joint Major students can opt to take a single major in Economics from third year or choose from a range of specialised options.

Fourth Year
In their final year, Joint-Major students choose modules that deepen their technical knowledge and specialise in their preferred economic fields by appropriately choosing optional modules.

Assessment
Teaching takes place in lectures and tutorials, with students also participating in small group classes to work on group projects and presentations. A combination of end-of-semester written examinations and continuous assessment is used.

Career & Graduate Study Opportunities
Economics graduates are in high demand – our graduates work in Bank of Ireland, Price Waterhouse Cooper, KPMG, Paddy Power and Deloitte. Economics graduates can expect to have direct access to Economics, Business and Finance Master’s.

International Study Opportunities
Student exchanges are available with the following universities: Tilburg, the Netherlands • Namur, Belgium • La Sapienza, Rome, Italy, as well as in partner universities in North America • Asia • Australia and Europe, including: University of California, Santa Cruz • University of California, Berkeley • University of Melbourne, Australia.
Economics, Mathematics & Statistics

BSc (Hons) (NFQ Level 8)

Why is this degree for me?
If you are interested in Mathematics, Statistics and Economics, then this subject enables you to explore these areas in depth, while also emphasising how they complement each other. Economists employ mathematics to design theoretical models and use statistics to test these models and to explore the tremendous amount of data that is generated by the economy. In turn, the models and data that are part of the study of Economics provide an interesting source of applications for students that have learned mathematical and statistical skills.

What will I study?
You will study Economics, Mathematics and Statistics, providing you with a solid foundation in all three subjects. You will also be given the opportunity to specialise in the latter stages of your degree, for example, in applied economics, advanced statistics, mathematical modelling of complex processes, or developing “Big Data” skills.

Through your study, you will develop skills in data analysis, and be supported in the development of your analytical and problem-solving skills, as well as in the application of these skills to understanding real economic issues. The degree will provide a structured approach to developing skills of analysis, problem design and resolution using mathematics, economic theory, data analysis and statistical methods.

First Year
Introduction to Economics • Principles of Microeconomics • Principles of Macroeconomics • Practical Statistics • Statistical Modelling • Calculus • Linear Algebra • Combinatorics and Number Theory • Introduction to Computational Social Science, Introduction to Programming • Plus an Elective module.

Second Year
Intermediate Microeconomics • Intermediate Macroeconomics • Probability Theory • Linear Models • Inferential Statistics • Multivariate Calculus • Analysis • Linear Algebra 2 • Plus Elective modules.

Third & Fourth Year
Advanced Microeconomics • Advanced Macroeconomics • Econometrics • Time Series Analysis • Multivariate Analysis • Differential Equations • Research Project • Study Abroad Opportunity • Internship Opportunity • Plus Elective modules.

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

Career & Graduate Study Opportunities
The skills and problem-solving abilities you acquire in this degree are highly prized in a range of professions, 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, Mathematics or Statistics, leading to Master’s and PhD degrees. Both the School of Economics and the School of Mathematics and Statistics offer Master’s programmes aimed at further developing analytical and professional skills. Postgraduate qualifications are necessary to work as a professional economist.

International Study Opportunities
University of Texas at Austin, USA • University of California, USA • University of Perugia, Italy • University of Konstanz, Germany • Tilburg University, the Netherlands • University of Namur, Belgium • Sapienza University of Rome, Italy.

“Mathematics and Statistics provide a framework in which economic analysis is regularly conducted and, as such, understanding the mathematical concepts and methods underpinning that analysis can be key to understanding its implications. On the other hand, the study of economic theory provides you with a wealth of relevant economic and social questions to which you may apply some of the more general or abstract techniques that the mathematics subject stream has taught you. I believe that the combination of Economics and Mathematics in my undergraduate degree provided me with an excellent foundation to continue to study Economics at graduate level and, indeed, it has well placed me to begin to pursue a career in economic research.”

Philip Carthy Economics & Mathematics Student

Other courses of interest
Economics

www.ucd.ie/myucd/socsc

www.ucd.ie/admissions

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

If you obtain less than H4 in Leaving Certificate mathematics you must pass a “Level 0” UCD mathematics module in semester 1.

DN700 Places 500

CAO Points Range 2017 N/A

Length of Course 4 Years

CAO Code DN700

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents
“Studying this combination of subjects was not only academically beneficial but very exciting. Although each discipline has its own unique characteristics, they perfectly complemented each other, which meant that studying one subject strongly promoted my development in the others also. As a result of the great variety of modules offered, I could always find the ones that matched my interests and I could gain and develop strong critical and analytical skills through courses that I truly enjoyed. During my time as a student of this programme, I have received incredible support from the teaching and technical staff, who went far beyond my expectations. I would recommend this combination of courses to anyone who is interested in both Environmental and Social Sciences.”

Csaba Horvath Archaeology and Geography Graduate

Why is this degree for me?
The BSc Landscapes & Society provides a unique interdisciplinary combination of natural and cultural perspectives on the formation, cultural significance and management of the landscape. Students will bring together the archival strengths of History, the spatial expertise of Geography, and the material analytical approaches of Archaeology to develop understandings of how the landscape shapes humans at the same time as humans shape the landscape. Students will learn in the classroom, field, laboratory and archives. The programme has clear links to the expanding Heritage sector and students will develop a range of transferable skills.

What will I study?
Students will study modules in Archaeology, Geography and History, as well as interdisciplinary modules designed specifically for this programme. This will include key methods and principles of the three disciplines, drawing on Irish and international case studies and standards. Teaching will include classroom based learning, laboratory and field components, with an emphasis on high levels of student engagement, culminating in a student-led interdisciplinary research project in the final year of the programme.

First Year
Introduction to the three subject areas. A special core module for this programme, Making the Irish Landscape, highlights the distinctive and exciting focus on Landscapes and Society. All first year social science students also study the core module, Societal Challenges in the Twenty First Century.

Second Year
Key methods and principles in all disciplines are introduced, and students begin to explore specific sub-disciplines within Geography, History and Archaeology.

Third Year
The focus in year three is on diverse and formative learning experiences. A specialist Landscapes & Society module for students on this programme (incorporating a field trip) further develops interdisciplinary perspectives.

Fourth Year
Final year will facilitate greater depth of analysis and understanding. A major independent interdisciplinary research project, closely supervised by academics, will be a key requirement.

Assessment
A range of assessment types including: essays • reviews • portfolios • lab reports • projects • exams and substantial independent research will be undertaken.

Career & Graduate Study Opportunities
Graduates from these fields will be well placed for employment in the varied and expanding Heritage Sector, including cultural and natural heritage. Other likely pathways include: secondary school teaching • the archaeological profession • the museum sector • Geographic Information Systems • surveying or cartography • archive or library work.

International Study Opportunities
Students may have an opportunity for international study in third year. Possible locations might include Austria • Cyprus • Denmark • France • Germany • Italy • Norway • Spain • Sweden • UK • North America • China and Australia.
Philosophy, Politics & Economics
BSc (Hons) [NFQ Level 8]

CAO Code DN700

CAO Points Range 2017 N/A
Length of Course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
O6/H7 in English, Irish, Mathematics and three other recognised subjects
Other school leaving examinations See www.ucd.ie/admissions
Level 5/6 QQI-FET See www.ucd.ie/FET
Mature Entry Route See www.ucd.ie/maturestudents

Why is this degree for me?
PPE provides a broad and deep understanding of how a society works, and indeed how international society works. It examines the complex economic and political forces in play, the problems of measuring and assessing the health of society, and the principles of justice that should guide political decision-making to improve society. PPE will teach students how to read beyond media headlines, and where to find more information about the hot policy questions of the day, in national and international contexts.

What will I study?
The PPE provides a thorough grounding in all three disciplines that are core to the social sciences. The programme is quite structured at first, but allows more choice and more specialisation with each successive year. This programme provides both a well-rounded education in philosophy, politics and economics, and every opportunity for you to determine for yourself which subject or combination of subjects you would like to specialise in.

First Year
Students are introduced to: political science and political theory, to micro and macro-economics, and to ethics and critical thinking. Students will take the core module Introducing PPE. They will also learn about researching and writing essays.

Second Year
Students will study the relationship between individuals and the state, how to analyse and work with economic data, and the philosophical principles underlying the social sciences.

Third Year
Students continue to deepen their understanding of all three disciplines, while paying more attention to the overlaps between them, such as political economy and critical theory.

Fourth Year
There is much more choice among specialised option modules in the final year. Students also have the option of continuing in the three-discipline version, or of concentrating on only two disciplines.

Assessment
Generally, assessment will be by take-home essay and by exam-based essay in Philosophy and Politics, and by project and mathematical assignment in Economics. But innovative online assessment will also be used throughout. There will be a final-year research project.

Career & Graduate Study Opportunities
PPE programmes are scattered throughout many of the top universities in the world, attracting the best and most ambitious students and educating cohorts of politicians, civil servants, journalists and managers. All three disciplines share a commitment to rigour and problem-solving that will develop useful skills for any career – skills such as research, analysis, written expression and interpreting data. For a list of famous PPE programmes and graduates (such as Bill Clinton, David Cameron and Aung San Suu Kyi), see the Wikipedia entry on ‘Philosophy, Politics and Economics’. According to the BBC, the Oxford PPE “dominates public life in the UK”.

International Study Opportunities
A number of semester-long study opportunities will be established with other PPE universities in Europe.
“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

**Psychology**

**BSc (Hons) (NFQ Level 8)**

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**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
  - Psychology: Key skills & concepts • Introduction to Psychology • Introductory Research Methods • Perception & Cognition • Introduction to Applied Psychology • Elective module • Plus added optional 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.

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**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 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, USA
    - University of Groningen, the Netherlands

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**CAO Code DN720**

**CAO Points Range** 497–590
**Length of Course** 3 Years
**Places** 78

For general entry requirements, see pages 190-196

**Leaving Cert Subject Entry Requirements**

O6/H7 in English, Irish, a third language and three other recognised subjects

**Other school leaving examinations**

See www.ucd.ie/admissions

**Level 5/6 QQI-FET**

See www.ucd.ie/FET

**Mature Entry Route**

See www.ucd.ie/maturestudents

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**Other courses of interest**

- Social Justice

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www.ucd.ie/myucd/socsc
Social Policy & Sociology

BSocSc (Hons) [NFQ Level 8]

Why is this degree for me?
The Bachelor of Social Science (BSocSc) at University College Dublin is the premier honours degree of its kind in Ireland. It is the standard qualification for those working in policy making and social services and recently celebrated its fiftieth anniversary. If you are interested in exploring how societies, communities and families work and wish to make a difference to the world, affect cultural change, contribute to public service or corporate responsibility, then this course is for you.

What will I study?
The course explores key social issues affecting societies in the European Union, the USA and East Asia: poverty, homelessness, addiction, mental illness, social stratification, criminal justice, globalisation, gender equality, sexualities and reproductive health, childhood and children’s services, and tax and welfare systems. You will learn about how policy makers, in Ireland and across the world, have responded to these societal challenges. A strong emphasis is placed on studying qualitative and quantitative research methods. You will attend lectures and seminars and engage in project-based learning, instruction, and independent study with experienced academic staff and with input from policy-makers and industry.

First Year
You will undertake compulsory modules in social policy and sociology. Students are not expected to have any prior knowledge of these disciplines; the first year modules will provide you with a comprehensive introduction.

Second & Third Year
Alongside compulsory modules in social policy and sociology you will select optional modules from one of the following pathways, which will refine and develop your career skills:

Social Work and Social Professions
This pathway provides you with a strong foundation for professional social work or social service careers, in addition to careers in Counselling, Social Care Management, and the Probation Service.

Society and Public Service
You will be introduced to statistics for social policy, social policy topics covering a wide range of social services and modules in public sociology. This pathway prepares you for a wide range of Master’s programmes and employment in public services, NGOs, community development, youth work, social enterprise and public policy advocacy.

Work, Organisations and People
You will combine social policy and sociology with modules from organisational psychology and industrial relations. This pathway prepares you for study in a wide range of human organisation oriented Master’s programmes and for employment in business and personnel management, industrial relations, marketing and corporate responsibility and governance.

Career & Graduate Study Opportunities
The BSocSc provides a strong foundation for both postgraduate study and a wide range of careers in government, social services, NGOs, education, media, including new and online media (who are increasingly expressing an active interest in recruiting social sciences graduates) and business. Alumni include Briath Blaney (Marketing and Advertising, former CEO McCannBlue Dublin), Frances Fitzgerald (TD), Ali Hewson (Humanitarian) and Sr Stanislaus Kennedy (Humanitarian & Founder, Focus Ireland).

International Study Opportunities
The School offers international study opportunities in universities both in Europe and further afield. Currently Erasmus exchange opportunities exist in Germany • Italy • The Netherlands • Sweden • Japan • Hong Kong.
Year 1

Engage with the principles

- Social Policy Theories and Concepts
- Inequality in Irish Society
- Introduction to Psychology
- Introduction to Sociology

Follow your pathway

Social Work and Social Professions
- Modules may include:
  - Migration, Race and Ethnicity
  - Punishment and Social Control
  - Social Work in Practice
  - Childhood Inequality in a Global Context

Society and Public Service
- Modules may include:
  - Social Dynamics and Networks
  - Sociology of Health and Inequality
  - Statistics for Social Policy

Work, Organisations and People
- Modules may include:
  - Introduction to Work and Organisational Psychology
  - European Industrial Relations
  - Human Research Management
  - Industrial Relations

Year 2 Compulsory Modules
- Sociological Theory
- Quantitative Sociology
- Investigating Social Services
  - The Economic Analysis of Social Problems
  - Social Protection: Security, Work and Poverty

Year 3 Compulsory Modules
- Qualitative Research Methods
- Policy Making, Implementation and Poverty
- Social Policy Capstone Module

BScSc Social Policy and Sociology

Follow your specialisation with a Master’s degree

- 3 + 2 Social Work Pathway
  - MSc Social Work*

- Society and Public Service Pathway
  - MA Public Policy + MSc Equality Studies
  - MA Gender Studies
  - MSc Comparative Social Change
  - MSc Sociology + MSc Social Data Analytics

- Work, Organisation and People Pathway
  - MSc Human Resource Management
  - MSc Management
  - Master’s in Public Policy

SHAPE YOUR CAREER

- Careers closely related to this degree
  - Social Work
  - Social Care
  - Probation Service
  - Non-Governmental Organisations

- Public Sector Careers
  - Politics
  - Policy Formation
  - Civil Service
  - Non-Governmental Organisations

- Private Sector Careers
  - Human Resources
  - Journalism
  - New and Online Media
  - Policy Consultancy

Continue to develop your professional career with UCD...

* Students on the pathway who meet the entry requirements are eligible to apply for a place on UCD’s two-year Master’s in Social Science (Social Work), which is a requirement to practice 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 Social Sciences in UCD. I studied Sociology and Social Policy, which focused my interests towards Social Work as a career path. After obtaining valuable, direct experience with Focus Ireland, I returned to UCD to complete my Master’s of Social Science [Social Work]. I found both the Bachelors and the 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

Social Policy
BSocSc [Hons] (NFQ Level 8)

CAO Code DN750

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.

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

Second Year

Third Year
Policy Making and Implementation; Crime, Social Services and the Justice System; Social Policy and the Environment; Health Policy; Child Abuse, Sexual and Domestic Violence; Capstone Module, plus Sociology modules, plus elective modules.

Assessment
Assessment for modules involves a mixture of examinations and continuous assessment via assignments and projects intended to give all students equal opportunities to demonstrate their skill-sets and knowledge base.

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
- Online and new media
- Social work
- Community work
- Social services management
- Human Resources Management
- The Civil and Public Service

Amongst many other further 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 Gender Studies and contributes to UCD’s one-year Master of Public Policy (MPP). Progression routes are integrated into the BSocSc’s pathway structure to facilitate career development via either Master’s study or career guidance.

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.
“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 PhD 2014

Why is this subject for me?
If you study Archaeology, we can promise you that you will see the world, time and the human condition in an entirely new way. Archaeology is a uniquely multidisciplinary subject, using all sources of evidence from the past, from ancient manuscripts to the scientific analysis of plants, animals and materials. Through undertaking Archaeology as a degree, you will learn how to assess, explain and make connections between different types of evidence that will allow you to develop a deeper understanding about the past. Students will also develop practical skills valued by employers, such as report writing, teamwork, presentation, communication and analytical skills.

What will I study?
You will study through a combination of lectures, tutorials, seminars, field trips and practical engagement.

First Year
In first year, you will engage with Archaeology as a subject. No prior knowledge is assumed. Modules may include: Exploring Archaeology • Introduction to the Archaeology Ireland • Introduction to Anthropology. All first year social sciences students also study a core module, Societal Challenges in the Twenty First Century • Plus another subject • Plus an Elective module.

Second Year
In second year, we will build on the knowledge you gained in first year and explore how various approaches to Archaeology allow us to develop a better understanding of the past. Modules may include: Archaeology of Things • Archaeology of Prehistoric & Historic Europe • Early Medieval Europe • Heritage Management • Plus another subject • Plus Elective modules.

Third Year
You will have an opportunity to deepen your knowledge of Archaeological themes. During this year, you can also choose to undertake a placement in Ireland or abroad. Modules may include: Archaeology of Food • Experimental Archaeology • Hunter Gatherers • Early Medieval Europe • Heritage Management • Plus another subject • Plus Elective modules.

In third year, students can opt to take a single major in Archaeology.

Fourth Year
Fourth year is designed to give you more ownership of your Archaeological learning. Amongst other modules, you will have an opportunity to conduct your own research project.

Assessment
We use a variety of assessment methods, e.g. continuous assessment in the form of essays, projects, group work, oral presentations and reports. Each mode of assessment is designed to support your learning through the programme and to build life skills that will be of benefit beyond the programme.

Career & Graduate Study Opportunities
Studying Archaeology provides a flexibility of thought and a range of practical skills that make our graduates highly employable in a number of sectors, including the varied and expanding Heritage Sector. Graduates have also found employment within the archaeological profession, in consultancy, professional contract work, museums and education. Others have used their transferable skills to become business and industry entrepreneurs, policymakers in arts and education, journalists, cultural critics and tourism leaders. Graduate study opportunities in UCD include the MA in Archaeology, MSc in Experimental Archaeology, the MSc in World Heritage Management and the MLitt/PhD in Archaeology.

International Study Opportunities
Opportunities for International Study in Semester Two of Third Year may include: Austria • Cyprus • Denmark • France • Germany • Italy • Norway • Spain • Sweden • UK • North America • China • Australia. Students studying Archaeology with Chinese will study abroad for their third year.

Undergraduate students excavating at Glendalough, a major medieval monastic complex, set deep within a remote valley in the beautiful Wicklow Mountains.
Geography

BSc (Hons) (NFQ Level 8) - DN700
BA (Hons) (NFQ Level 8) - DN520

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of Course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
O6/H7 in English, Irish, Mathematics and three other recognised subjects

Other school leaving examinations See www.ucd.ie/admissions
Level 5/6 QQI-FET See www.ucd.ie/qqi
Mature Entry Route See www.ucd.ie/maturestudents

Why is this subject for me?

Are you interested in pressing global, national and local issues such as climate change, 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
Topics include: Societal Challenges in the twenty first century • Mapping Your World • Humans and Environments through Space and Time • Earth Systems • People, Places and Regions • Plus another subject • Plus an Elective module.

Second Year
Topics include: Geographic Research Techniques • Quaternary Environmental Change • Political Geography • World Urbanisation • Global Historical Geographies • Plus another subject • Plus Elective modules.

Third Year
Topics include: Ideas in Geography • Geographic Information Systems • River Catchment Management • The Quaternary of Ireland • Planetary Geomorphology • Political Geography of EU Integration • US Foreign Policy • Development Geographies • Creative Cities • Environmental Management • Plus another subject • Plus Elective modules.

Fourth Year
BSc Geography students may choose from a range of specialist topics and undertake intensive research skills, including completing a substantial research project.

Assessment

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.

Career & Graduate Study Opportunities

Our graduates have found employment as:
- Geography 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.
- Educators at primary and second level, as well as in high-profile national and international universities.
- Environmental researchers and consultants in the state and private sectors.

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:
- Cologne, Germany • Pisa, Italy • Melbourne, Australia • Chicago, USA • Santa Barbara, California, USA.
“Information and Communication Studies gave me a better understanding of how information influences all aspects of society, particularly in business. It also gave me practical tools to analyse data and create meaning from it. My current role, as a Media Associate in Ireland’s largest marketing communications company, involves liaising with agencies, on digital and offline media planning and buying. In my work, an understanding of the media landscape and keen attention to detail is vital. The skills and knowledge I gained from my studies have helped me in my career and they have also made me a more informed digital citizen.”

Melanie O’Donovan  
Joint Major Information & Communication Studies and Sociology  
2016

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 & Communication Studies give you a chance to explore the ways companies such as Facebook, Twitter, Intel, Google and Apple integrate people, information and technology to succeed in today’s digital world.

What will I study?

First Year

All first year social sciences students study the core module, Societal Challenges in the Twenty First Century. Additional modules may include: Introduction to Information & Communication Studies, Information and Social Media, Digital Judgement: Truth, Lies & the Internet, Information Design, Plus another subject, Plus an Elective module.

Second Year


Third Year


Fourth Year

This year offers a range of specialist module options aimed at preparing you for a career or further study in your chosen subject area.

Assessment

Students attend lectures and tutorials and undertake independent study and project work. Assessment is through a combination of end-of-semester written examinations, projects and continuous assessment, including a wide variety of digital projects, such as blogging and writing smartphone applications.

Career & Graduate Study Opportunities

Information & Communication Studies is relevant for careers in web design and development, social media, social computing, user experience design, investigative research, publishing, digital marketing and 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 and PhD.

Graduates can also progress to a Master’s of Digital Information Management, which prepares students for careers in digital curation and data management.

International Study Opportunities

Students may study abroad for a year or a semester. Destinations include the USA, Australia, China and Canada. Students studying Information and Communications Studies with Chinese will study abroad for their third year.

Claire Nolan
School Administrator, UCD School of Information & Communication Studies, Newman, Belfield, Dublin 4

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www.ucd.ie/myucd/socsc
**Philosophy**

**BSc (Hons) [NFQ Level 8] - DN700**

**BA (Hons) [NFQ Level 8] - DN520**

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<tr>
<th>CAO Code</th>
<th>DN700 BSc Social Sciences</th>
<th>DN520 BA Arts</th>
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<tbody>
<tr>
<td>CAO Points Range 2017</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Length of Course</td>
<td>4 Years</td>
<td>3 Years</td>
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<td>For general entry requirements, see pages 190-196</td>
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<tr>
<td>Leaving Cert Subject Entry Requirements</td>
<td>O6/H7 in English, Irish, Mathematics and three other recognised subjects</td>
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<td>Other school leaving examinations</td>
<td>See <a href="http://www.ucd.ie/admissions">www.ucd.ie/admissions</a></td>
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<td>Level 5/6 QQI-FET</td>
<td>See <a href="http://www.ucd.ie/FET">www.ucd.ie/FET</a></td>
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<tr>
<td>Mature Entry Route</td>
<td>See <a href="http://www.ucd.ie/maturestudents">www.ucd.ie/maturestudents</a></td>
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**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:
- Do we have free will?
- What is consciousness?
- How should we live?
- Does God exist?
- What can we learn from art and literature?

Science, literature or history are all equally good preparation for studying Philosophy. The main requirement is a capacity for clear thinking, honesty and discussion.

**What will I study?**

Philosophy is essentially about dialogue and discussion, about giving reasons and examples, about counter-arguments and counter-examples. We read the work of great philosophers, but we also challenge their arguments and conclusions. Although all the modules are based on lectures, many of these are highly interactive. In addition, philosophy is rare in the university for offering small-group tutorials for all of its modules.

**First Year**

You will be introduced to a wide spectrum of philosophical approaches, from Renaissance thought through to existentialism and critical thinking. There is an elective ‘Film through Philosophy’. All first year social sciences students also study the core module, Societal Challenges in the Twenty First Century, plus another subject, plus an Elective module.

**Second Year**

Modules include: Applied Ethics • Philosophy of Science • European Philosophy • Ancient Philosophy • Knowledge and Scepticism • Plus another subject • Plus Elective modules.

**Third Year & Fourth Year**

Students can choose from almost two dozen modules, including: Philosophy and literature • Philosophy of mind • Metaphysics • Philosophy of religion • Logic • Phenomenology • Philosophy of law • Critical Theory • Philosophy of mental disorder • Hume & Kant • Nietzsche • Aristotle • Plus another subject • Plus Elective modules.

Students can switch into a Single Major in Philosophy from their third year.

**Assessment**

There is a variety of assessment: traditional exams, take-home essays, on-line assessments, as well as presentations and group work.

**Career & Graduate Study Opportunities**

Corporate head-hunters often target Philosophy graduates for their rigorous analysis of real-world problems and their clear, coherent communication of complex ideas and concepts, and a capacity for detailed research. 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**

Students may study abroad for a semester or a year. Destinations include: France, Germany, Belgium, US and Italy. Students studying Philosophy with Chinese will study abroad for their third year.
"Having had an interest in politics before college, the variety of available options from the School of Politics and International Relations really appealed to me as a prospective student. The first year of the course really gives you a solid foundation upon which to build. As you develop interests in particular areas of politics and international relations you can easily branch out into specific topics such as EU politics, development, conflict resolution and international political economy. For anyone who finds themselves really invested in the programme initially, UCD also offer a fantastic ‘Single Subject Major’ programme from third year that gives you the opportunity to truly engage with every facet of political science.”

Stephen Crosby Politics Student

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 & 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 & International Relations, giving you a solid foundation for future study. In subsequent years, you will pursue the topics that interest you most. Examples of modules include:

First Year
- Foundations of Political Theory and International Relations
- Foundations of Contemporary Politics
- Foundations in Political Research
- Foundations in Global Development
- All first year social sciences students also study the core module, Societal Challenges in the Twenty First Century
- Plus another subject
- Plus an Elective module.

Second Year
- Individuals and the State
- Law, Politics & Human Rights
- Comparative Politics
- International Relations
- Research Methods in Political Science
- European Union
- Achieving the Sustainable Development Goals
- Plus another subject
- Plus Elective modules.

Third Year & Fourth Year
- International Political Economy
- International Justice
- EU in the World + Middle East Politics
- Integration, Fragmentation & the Global System
- Data Analytics for the Social Sciences
- Political Activism in the Middle East
- Introduction to Asian Politics
- Justice in Education
- Gender in War and Peace
- Plus another subject
- Plus Elective modules.

Students may opt to take a single major in Politics from third year.

Assessment
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.

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
- International Development
- Peace & Conflict
- Human Rights
- European Public Affairs & Law
- International Political Economy
- Public Policy.

International Study Opportunities
Study abroad opportunities include:
- Sciences Po, France
- University of Bergen, Norway
- Université Libre de Bruxelles, Belgium
- University of Lund, Sweden
- Universität zu Köln, Germany
- Utrecht University, Netherlands
- Università degli Studi di Milano, Italy
- George Washington University, the United States
- University of Delhi, India
- University of Hong Kong

Students studying Politics with Chinese, French, German, Italian or Spanish will study abroad for their third year.

Studying Politics & International Relations

as a Joint Major with one of the below:
- Archaeology
- Mathematics
- Economics
- Sociology
- Geography
- Social Justice
- Information & Communication Studies
- Statistics
- Philosophy
- Linguistics
- Irish
- Chinese
- Italian
- French
- Spanish
- German

within a pathway:
- Philosophy
- Politics & Economics
- Computational Social Science

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of Course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

CAO Code DN530 BA Humanities

CAO Points Range 2017 N/A
Length of course 4 Years
DN530 Places 220

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, a third language and three other recognised subjects

Entry Routes same as above

Studying Politics

as a Joint Major with: History

Other courses of interest
- Law with Politics

www.ucd.ie/spire
Social Justice
BSc [Hons] [NFQ Level 8]

Why is this subject for me?
The subject of Social Justice draws on a range of academic disciplines in order to advance understanding of issues such as inequality, discrimination and human rights abuses. It will appeal to those who would like to acquire the knowledge and skills to understand and challenge injustice and help bring about social change.

What will I study?
Undergraduate modules in Social Justice address themes such as global poverty and inequality; gender and sexual inequality; human rights and social justice; inequality in Irish society; childhood inequality; egalitarian social movements; racism; and the problems and possibilities of economic development. Over the course of your four-year programme, you will advance your knowledge about the key social issues of the 21st century, while developing your skills in relation to critical thinking, analysis, research, problem-solving and communication. An emphasis on participatory learning means that your studies will take place within a supportive and stimulating environment, where you will have the opportunity to engage with like-minded people who share your interest in social justice.

First Year
In first year, you will engage with four key themes: Social Justice Perspective • gender • global justice • inequality and Social Justice in Irish Society. All first year social sciences students also study the core module, Societal Challenges in the Twenty First Century, plus another subject, plus an Elective module.

Second Year
In second year, the modules will develop your knowledge of social justice movements, gender inequality, and childhood inequality, as well as your understanding of human rights and social justice, plus another subject, plus Elective modules.

Third Year
In third year, modules will advance your knowledge of economic inequality and gender inequality and you will also have the opportunity to learn about other important social justice issues.

Fourth Year
Fourth year provides the opportunity for you to enhance your research skills by engaging in a research-based group project. Students will also have an opportunity to look at issues relating to social justice and the city. You will build on their knowledge of Social Justice, and of key societal issues.

Assessment
A variety of continuous assessment methods are used throughout the social justice programme, including essays, reports, oral presentations, reflective writing, problem-based learning exercises, projects, examinations and critical commentaries on designated readings.

Career & Graduate Study Opportunities
At the end of their four-year programme, graduates of Social Justice have acquired knowledge and skills relevant to a range of fields of study and employment, including in-depth knowledge about the most pressing societal and global challenges of our time and advanced critical, analytical and communications skills.

The degree will provide a strong foundation for careers in: research, policy and advocacy in national and international non-governmental organisations; and public sector agencies. Relevant graduate study programmes include: Equality Studies • Gender Studies • Public Policy • Human Rights • International Development.

International Study Opportunities
Study abroad for a semester or a year in third year. Destinations include the US, Australia, China, Canada.

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“The multidisciplinary nature of Social Justice – including topics such as feminist theory and critical theories of international economics – has refined my analytical skills. To those who seek not only to understand how the world is, but also why it is that way, I recommend studying Social Justice in UCD.”
Adam Boyle Law with Social Justice (International) Stage 4
Sociology

BSc (Hons) (NFQ Level 8) - DN700
BA (Hons) (NFQ Level 8) - DN520

CAO Code DN700 BSc Social Sciences

CAO Points Range 2017 N/A
Length of Course 4 Years
DN700 Places 500

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics and three other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QTI-FET
See www.ucd.ie/FET

CAO Code DN520 BA Arts

CAO Points Range 2017 N/A
Length of course 3 Years
DN520 Places 350

Entry Requirements
English • Irish • A third language • Three other recognised subjects

Entry Routes same as above

Studying Sociology as a Minor
with one of the following:

English • History

Other courses of interest
Social Policy & Sociology → 66
Science → 97
Computational Social Science → 60

www.ucd.ie/myucd/socsc

I would recommend studying Sociology in UCD to those students who are seeking a versatile degree, where the skills taught are applicable to a wide range of sectors. With opportunities to discover sociological theories that provide enlightening ways of thinking about the world around us, while also learning research skills, there are numerous career pathways open to the sociology graduate. What’s more, the lecturers and staff have been invaluable to my learning, being friendly and supportive, and are always happy to chat with students. Overall, I am proud to be a student of Sociology at UCD.”

Arnoldas Jursys
Student

Why is this subject for me?
If you are interested in people, you will be interested in sociology. It is relevant for understanding almost every aspect of our lives. We are all part of society, we are connected with each other and we are affected by the people around us. In the same way, we shape the social context for others as well. Sociology provides you with the mindset and the research tools to observe the social world, make connections, understand differences, norms, cultures or inequalities.

What will I study?
Sociology seeks to explain how people relate with each other, how hidden structures play an important role in everyday life and how society shapes the way individuals behave. It is about why individuals organise themselves into groups such as families, communities, social classes, social networks, religions, genders, neighbourhoods or nations. But it is also about how these groups come about, what they mean and how they change over time. An essential part of your studies will be the acquisition of a sociological toolkit that includes both theoretical approaches and research methods to study society.

First Year
The first year includes a general introduction to Sociology, the Foundations of Sociological Thinking, a view on Contemporary Ireland and the basics of Research Methods and Design. All first year social sciences students also study the core module, Societal Challenges in the Twenty First Century, plus another subject, plus an Elective module.

Second Year
The second year involves training in Quantitative Research Methods and courses in areas such as Gender • Sociological Theory • Analytical Sociology • Animals and Human Society and more, plus another subject, plus Elective modules.

Third Year
The third year includes training in Qualitative Research Methods and substantive courses in areas such as Migration, Historical Sociology, Lying & Deception and more. There are also possibilities for internships and study abroad.

Fourth Year
During the fourth year, we offer the possibility for an independent research project and a range of further specialised modules, such as War and Violence, Sociology of Nations and Punishment & Social Control, plus Elective modules.

Assessment
Students attend lectures and participate in seminar discussions. They also undertake independent studies, including reading and writing about sociological issues. Assessment is a combination of continuous assessment and end-of-semester written exams.

Career & Graduate Study Opportunities
Sociology gives an excellent foundation for a wide range of careers in areas such as social research and policy analysis • journalism • media • community development • youth work • civil service • social data science • business. It also leads to a wide range of graduate study opportunities in the social sciences, law and business. The School of Sociology offers a general MScSc in Sociology, as well as specialised programmes in Health, Well-being and Society, Crime, Violence and Conflict, Cultural Sociology, Race, Migration and Decolonial Studies, Comparative Social Change, Social Data Analytics.

International Study Opportunities
Destinations include countries such as Belgium, France, Rome, Italy & Netherlands, Norway, Sweden, Japan, China and South Korea. Students studying Sociology with Chinese, German or Italian will study abroad for their third year.
UCD Sutherland School of Law provides a strong 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

<table>
<thead>
<tr>
<th>Program</th>
<th>Year</th>
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<tr>
<td>Law (BCL)</td>
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<td>Law with French Law</td>
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<td>BCL/Maîtrise — Law Dual Degree</td>
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<td>Law with Chinese</td>
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<td>Law with Economics</td>
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<tr>
<td>Business &amp; Law</td>
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</table>

### Why UCD Law?

- UCD Sutherland School of Law is ranked within the Top 100 Law Schools in the World*.
- 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, Economics, French Law, History, Philosophy, Politics, Social Justice, Chinese or Irish. 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 if you wish 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 Cambridge, College of Europe, European University Institute, Harvard, the London School of Economics and Oxford.

### 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 in Constitutional Law and Contract Law modules. You will also learn about the legal system in General Introduction to the Irish Legal System and, the skills of practicing law, in the Legal Skills module.
- 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, UK and other firms, government bodies and non-governmental organisations which are held in the School of Law.
- Specialist careers support is provided by the School’s Career Adviser to help you identify and achieve your career ambitions.

* QS World Rankings 2018
Studying UCD Law

**Foundations of legal knowledge and specialist subjects**

<table>
<thead>
<tr>
<th>Years 1 &amp; 2</th>
<th>DN600 Bachelor of Civil Law</th>
<th>DN600 BCL Law with Chinese</th>
<th>DN600 BCL Law with Economics</th>
<th>DN600 BCL Law with French Law</th>
<th>DN600 BCL Law with History</th>
<th>DN600 Bachelor of Business &amp; Law</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DN600 BCL Law with Philosophy</td>
<td>DN600 BCL Law with Politics</td>
<td>DN600 BCL Law with Social Justice</td>
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</tr>
</tbody>
</table>

**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
- European Union Law
- Property Law*
- Criminal Law

DN600 students also take programme specific modules as appropriate, for example:

- Law
- History
- Chinese
- Philosophy
- Economics
- Politics
- French Law
- Social Justice
- Irish
- 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

- 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, England, NI and India)
- Barrister (Ireland, England, NI and India)
- In-house Counsel
- Avocat [France]
- Academia

**BUSINESS**

- Corporate Banking
- Management
- Business Analyst
- Financial Services
- Data Protection Compliance

**MEDIA & POLITICS**

- Broadcasting
- Press
- Political Advisory Roles
- Diplomacy and Foreign Affairs

**PUBLIC POLICY**

- Public Service
- Research
- 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
"Choosing to study law in UCD has been one of the best decisions I have ever made. The vast variety of legal modules that are available means that there is something for everyone who wishes to study a specific area of Law. There is also a great choice of electives to choose from, for example, I chose Psychology as an elective in my first year.

As well as this, there are numerous opportunities in UCD for you to discover yourself through different societies, sport clubs and initiatives. Whatever your area of interest, UCD caters for it. As a result of my experience, I am convinced that UCD is the place to grow and discover your potential."

Grace Oladipo Student

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**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 a 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 locations which include:

- Antwerp
- Barcelona
- Berlin
- California
- Canberra
- Connecticut
- Exeter
- Miami
- Milan
- Minnesota
- Prague
- Singapore
- Stockholm
- Toulouse
- Uppsala
- Utrecht
- Vienna.

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**CAO Code DN600**

<table>
<thead>
<tr>
<th>CAO Points Range 2017</th>
<th>521—625</th>
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</thead>
<tbody>
<tr>
<td>Length of Course</td>
<td>4 Years</td>
</tr>
<tr>
<td>DN600 Places</td>
<td>125</td>
</tr>
</tbody>
</table>

**For general entry requirements, see pages 190-196**

**Leaving Cert Subject Entry Requirements**

- O6/H7 in English, Irish, a third language and three other recognised subjects

**Other school leaving examinations**

See www.ucd.ie/admissions

**Level 5/6 QQI-FET**

See www.ucd.ie/FET

**Mature Entry Route**

See www.ucd.ie/maturestudents

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**Other courses of interest**

- Business & Law → 89
- Law with Social Justice → 88
- Law with French Law → 80
- Law with History → 84

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**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 Legal Skills
- 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 includes end-of-semester examinations, essays and group projects.

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**NOTE**

If you are interested in later qualifying as a lawyer in the USA, the BCL programme is the recommended choice.
Law with French Law

BCL [Hons] (NFQ Level 8)

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 partner university 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 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 Legal Skills.

Second Year

In second year, you will study other core 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.

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 faculty. Here you will have a chance to sample short lectures, listen to careers talks and hear about student experiences, including international exchanges.
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.

Towards the end of first 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: 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.

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.

“...I have always wanted to keep an international dimension to my degree, and the BCL/Maîtrise was definitely the right choice for that. Being immersed in another culture can only open your mind; and understanding two very different legal systems is crucial to develop your critical thinking and enhance your analytical skills. Whether the final aim is to practice in Ireland, France, or to have an international career, job opportunities following this course are numerous. Taking advantage of the opportunities given by UCD is essential during your degree, and actively participating in one of the many societies or sports club on offer cannot be recommended highly enough.”

Adam Boutafenouchete Graduate
Law with Chinese

BCL (Hons) (NFQ Level 8)

Why is this course for me?
Law with Chinese allows you to undertake a degree in Irish law, whilst simultaneously acquiring a broad knowledge of Chinese society and a very high level of competence in Mandarin. 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 university in China.

What will I study?
First & Second Year
First year focuses on the core Irish law modules of: Constitutional Law • Contract Law • Tort • General Introduction to Irish legal System.

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 society.

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 will undertake a dissertation on Chinese Law (in English). 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.

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 includes end-of-semester examinations, essays and group 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 with Chinese) 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 the world.

I chose to study this programme, in part because of its relevance in today’s world, but also because it is thoroughly engaging. It provides an opportunity for students to develop a deeper and broader understanding of both the Irish legal system and Chinese culture, through studying a range of subjects from EU law and criminal law to the Chinese language and Doing Business in China. Lectures are extremely insightful and are taught by highly regarded individuals. In particular, the small Chinese classes allow students to interact closely with the teaching staff. As part of the course, students are given the chance to study in Beijing, allowing us to immerse ourselves in the capital of one of the biggest expanding markets of our generation.”

Timothy Wu Murphy Student
Why is this course for me?
This course allows you to obtain a highly respected degree in 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 law modules, including:
- Constitutional Law
- Contract Law
- Tort Law.
In addition, you will study quantitative economics and macroeconomics for business.
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 includes end-of-semester examinations, essays and group 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. 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 apply to spend time abroad during their third year at partner universities in locations which include:
- Australia
- Austria
- Belgium
- Canada
- China
- Czech Republic
- France
- Germany
- India
- Italy
- New Zealand
- Singapore
- Spain
- Sweden
- Switzerland
- The Netherlands
- UK
- USA.

Robert Lee pictured with Prof Imelda Maher, Dean of Law

Robert Lee graduated with a BCL (Hons) in 2017 from UCD School of Law. He 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. His involvement with the Student Legal Service has allowed him to gain valuable legal skills through its legal clinics and Negotiation Competition. UCD’s global partners provide a wide variety of exchange opportunities and I spent my third year at the University of New South Wales, Sydney.

Robert Lee
Graduate
Law with History
BCL (Hons) (NFQ Level 8)

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 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 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 Law, 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 includes end-of-semester examinations, essays and group 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
Many students apply to spend time abroad during their third year at partner universities in locations which include:
- 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, including Cambridge, European University Institute, Harvard, Oxford and National University Singapore.
Is seans iontach é an cúrsa seo an dlí a nascadh lenár dteanga dhúchais. Tugann an nasc idir na hábhair seo deis dom obair a dhéanamh thar lear nó anseo in Éirinn tar éis an áthas agus mo scileanna teanga a chur in úsáid trí chomhthéacs dlíthíúil. Is cúrsa uathúil é Dlí le Gaeilge anseo i mBaile Átha Cliath; tá pobal Gaeilge iontach ar an gcampa acu a bheith páirteach sa phobal sin. Chomh maith leis sin, aí an deiseanna ann a bheith páirteach a theadh an dlí de lásmhGHacht. Rogha fhoirfe ab ea Dlí le Gaeilge dom féin mar gur theastaigh uaim mo chuid Gaeilge a úsáid sa tsaol oibre amach anseo ach le hábhar eile ina theannta sin.”

Neasa Ni Bheaglaoich

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 multimedia 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 year, 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 Scriobh 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 Aistriúcháin Dlíthúil • Aistriúcháin 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
This programme has set ambitious standards in the Irish language and it may be possible to spend a semester or a year abroad in your third year. Selection will be subject to consultation with the BCL (Law and Language) Programme Coordinator and the Head of School of Irish, Celtic Studies and Folklore.

KEY FACT
Many leading Irish and UK Law firms 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.

CAO Code DN600

CAO Points Range 2017 521—625
Length of Course 4 Years
DN600 Places 125

For general entry requirements, see pages 190–196
Leaving Cert Subject Entry Requirements
• O6/H7 in English, Irish, a third language and three other recognised subjects
Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI–FET
See www.ucd.ie/FET
Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
Law with Social Justice
Law with History
Law with Economics
Law with Philosophy

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Belfield, Dublin 4
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facebook.com/UCDSchoolofLaw
@UCDLawSchool

www.ucd.ie/myucd/law
Law with Philosophy
BCL (Hons) (NFQ Level 8)

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 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 Law, Ethics & Legal Practice.

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
Many students apply to spend time abroad during their third year at partner universities in locations which include:
- 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.
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 Law modules, including:
- Constitutional Law • Contract Law • Tort Law.
In addition, you’ll be 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 Law, 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 includes end-of-semester examinations, essays and group 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 locations which include:
- Australia • Austria • Belgium • Canada • China • Czech Republic • France • Germany • India • Italy • New Zealand • Singapore • Spain • Sweden • Switzerland • The Netherlands • UK • USA.
UCD Law

Law with Social Justice
BCL (Hons) (NFQ Level 8)

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 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 Law, 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 includes end-of-semester examinations, essays and group 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 locations which include:
- Australia
- Austria
- Belgium
- Canada
- China
- Czech Republic
- France
- Germany
- India
- Italy
- New Zealand
- Singapore
- Spain
- Sweden
- Switzerland
- The Netherlands
- UK
- USA.

As well as being interested in the law and how it governs our society, I have always been passionate about the social issues and injustices affecting our world. As a result, Law with Social Justice in UCD has turned out to be the perfect fit for me. The course allows you to study purely legal modules but also to learn about pressing social justice issues such as racism, feminism and global inequality. Studying this degree has given me the opportunity to meet many like-minded people who are passionate about the same things as I am. Outside of class, the clubs and societies give you opportunities to meet many people who enjoy the same things as you. UCD has something for everyone, and Law with Social Justice is a great example of this.”

Siobhan Akeke
Student
“Business and Law offers a learning experience that is unrivalled. I chose the degree due to its wide variety, but I have also come to realise during my time in UCD the value of having a grounding in business when operating in the legal sphere and vice versa. It is a skill that is much sought after and really sets BBL students apart. I have had the opportunity to apply skills learned through the course as far afield as Tanzania when volunteering as a computer teacher with UCD Volunteers Overseas, one of the countless societies catering to a wide variety of interests in UCD.”

Shane O’Donoghue Graduate

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 includes end-of-semester examinations, essays and group 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
- 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).
Welcome to the future at UCD Lochlann Quinn School of Business!

We live in a complex world at a time of extraordinary global challenges and opportunities.

At UCD Lochlann Quinn School of Business, we have made a strategic commitment to research, innovation and impact on business and society – and to transformational learning. We work to cultivate informed, connected, ethical global citizens - thinkers and doers. We are ambitious to recruit students who want to make a difference in the world, for the world.

Quinn is an environment where you will be challenged and supported as you build strong foundations of business knowledge, develop your capacities, and learn the skills of inquiry and ways of working that will help you to make that contribution. It is a place to expand your horizons, encounter diverse perspectives and experience new ways of thinking in a global classroom. It is a time where you can get to know yourself, learn to think, and build friendships and relationships that will support you throughout your life and career.

Moore Learning – our new wing of state of the art facilities opens January 2019 - bringing a fresh canvas of alive learning spaces to the community at Quinn – ready for living, learning and working side by side as we collaborate to meet the future.

Thank you for connecting and as you read these pages, please imagine your future with us at Quinn. We are proud of our School and hope you will be excited by our story, and ambitious to contribute too.

Come join us!
Why UCD Business?

Accreditation - Ireland’s most globally recognised business school.

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 and Economics and Finance Programme, 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

Our curriculum is based upon research guided business education. You will learn the perfect balance of academic competency and practical business skills. Our links with top-tier business employers and our graduate employment or further study rate (98%) is a testament to the graduate outputs of our students.

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)

Why is this course for me?

The BComm is a globally recognised business degree, designed for ambitious and achievement-orientated students who want to make a significant impact in the business world. Combining strong theoretical understanding with the practical skills needed for graduate employment, students are assured of a challenging and relevant programme for the modern business world.

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.

You’ll learn about the recent themes and trends transforming the business landscape, such as globalisation, technological change, and environmental sustainability.

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. You will explore subjects through numerous different assessments and project methods, including: case studies, presentations, business simulations.

In your final year, you will have the option to focus your module choices on a specific business area or you may wish to continue studying subjects from across the broad range of business disciplines. With a wide range of electives, the BComm gives you the flexibility to develop your own personal niche of expertise with a degree of strong industry standing.

First Year
Accounting • Economics • Organisational Behaviour • Management Theory • Maths & Statistics • Information & Communications Technology • Real-life Business Simulations.

Second Year
Financial and Management Accounting • Marketing • Business Analytics • Global Business • Management Information Systems • Economics • Finance • Global Operations and Supply Chain Management

Final Year
Alongside core business subjects, you can choose modules across a range of business disciplines including Accountancy • HRM • Management • Marketing • Management Information Systems and Finance to complete your final year.

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 consultant]
- 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 Australia, Canada, Europe, Hong Kong, New Zealand and Singapore.

Internship programme

Our optional one-year Internship Programme places successful students with leading companies nationally and internationally. Students may also have the opportunity to work with a voluntary/not-for-profit organisation supported by a scholarship from the School of Business. All placements allow students the opportunity to enhance their business skills outside the classroom and helps inform future career decisions through real-world experience.

“I chose to study Commerce because of the flexible nature of the course and the broad range of opportunities offered. The Quinn school has incredible facilities which accommodate interesting teamwork, such as their collaboration room. Most of the friends I have made were through the stimulating teamwork offered. The one thing that I really enjoy about Commerce is how we learn and analyse real world business problems. The on-going support that Quinn offers ensures that you never feel helpless. I strongly believe that the course is tailored to help students achieve their goals and is well suited towards their ambitions.”

Mary Ishabiyi,
Bachelor of Commerce, Year 1

www.ucd.ie/myucd/bus

Student Recruitment and Marketing Manager
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Studying the UCD BComm

Engage with the principles of Business

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Refine your knowledge

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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/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)

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. To achieve a truly global perspective on business, it is necessary to immerse yourself in the culture, and not just learn the vocabulary. Hence students are brought to a high level of language proficiency which enables them to live abroad for a year and to study business through their chosen language. While this immersive experience is a demanding challenge, education experts have shown that these multicultural competencies are strongly linked with innovative thinking and creative performance. These are precisely the skills sought after by leading global business employers, giving BCIT graduates a unique competitive advantage.

What will I study?
On applying you will select two languages to study and at the end of the first semester we offer a free choice as to which one to pursue as your language minor in the latter stages (Please see table on page 93). With the exception of French (H4 requirement), you have the option to study these languages from beginner level. While the European options focus on language, literature and culture, the Chinese option encompasses Chinese language, culture, politics, law and society. 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 • Management • Global Operations • Finance • Information & Communications Technology • Language & Culture/Literature modules.

Third and Fourth Years
The year studying abroad is an integral part of the BCIT programme, and you will spend the year studying abroad at one of our highly regarded international business school partners. With the European language minors, you will study business subjects through the chosen language for the year, while the Chinese minor involves one semester studying Chinese language and a second semester studying business through English. In the final year you will continue with your language studies, and in addition 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.

An additional option, for those who do not wish to pursue the language minor beyond Year 2, is to take a Global Business minor in Years 3 and 4 of the programme. In this case the year abroad is taken through English, and in the final year you will concentrate solely on 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.

Student Recruitment and Marketing Manager
UCD Lochlann Quinn School of Business
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facebook.com/UCDQuinnSchool
BSc Economics and Finance provides an unrivalled skillset for those looking to work in Finance. It couples the statistical elements of financial analysis with the macroeconomic insight necessary to apply it in the real world. However, this course offers much more than just an academic education – my year-long internship with Willis Towers Watson and the semester I spent studying at the National University of Singapore were two unforgettable experiences that benefited my development more than anything I could learn in a classroom. The small class size in Economics and Finance ensures that there is top-class technical support and access to senior academic staff, as well as providing a brilliant peer network.

Aedin Ni Dhomhnaill, BSc Economics & Finance, Year 4

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 the premier degrees in Ireland and internationally in these areas, it equips students with outstanding expertise in quantitative methods, analytical skills and a rigorous preparation in economics and finance. The competence in quantitative methods and analytical skills that the programme develops are valuable on their own in many careers and provide the essential background for learning Economics & Finance.

What will I study?
First Year - Develop Your Knowledge
During the first year of this programme, you will develop your knowledge and understanding of core principles, concepts, methods and theories relevant to the study of Economics and Finance. The emphasis will initially be on quantitative methods (Maths & Stats), the emphasis will be instead on different aspects of economic analysis and quantitative methods needed to support (as a consultant or an analyst) and undertake (as a manager or a policy-maker) decision-making in a corporate or policy-making setting.


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
During your second year, we encourage you to pursue an international study experience for one semester at one of our elite exchange partner universities in Australia, Canada or Singapore.

Internship Programme
Our optional one-year Internship Programme places successful students with leading companies nationally and internationally. Students may also have the opportunity to work with a voluntary/not-for-profit organisation supported by a scholarship from the School of Business. All placements allow students the opportunity to enhance their business skills outside the classroom and help inform future career decisions through real-world experience.
Diploma/Bachelor of Business Studies

(NFQ Level 7/NFQ Level 8)

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, 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 Hons (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 academic 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
- 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. 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 learning support officer is assigned to you during your studies. The Learning Support Officer is your first point of contact and they can advise you on any academic or administrative queries you may have.

“My concern before I began the BBS was would I be able for it? The BBS has improved my CV. There were students from a wide variety of sectors and industries, each with valuable and relevant experience, resulting in great interaction and debate during many of our modules. The support from programme managers (and the CDL team) throughout the four years made life easier – it is a challenge to complete part time study while working, so anything that makes life a little easier is very welcome.”

Sid McDonnell, BBS Graduate 2015
Biological, Biomedical & Biomolecular Sciences

Biochemistry & Molecular Biology 101
Cell & Molecular Biology 102
Environmental Biology 103
Genetics 104
Microbiology 105
Neuroscience 106
Pharmacology 107
Physiology 108
Plant Biology 109
Zoology 110
Biology, Mathematics & Education 111

Chemistry & Chemical Sciences

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Chemistry with Biophysical Chemistry 113
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Direct Entry Courses

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Computer Science 130
Computer Science with Data Science 131
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.

DN200 Science - The first year of the Common Entry DN200 Science course is designed to enable you to sample a number of subjects in your chosen area. The UCD Science DN200 course offers 26 subjects categorised into the following streams:
- Biological, Biomedical & Biomolecular Sciences
- Chemistry & Chemical Sciences
- Mathematical, Physical and Geological Sciences
- No Preference

Is DN200 Science a General Science degree? - DN200 is not a “General Science” degree; it is a common entry course where students specialise in one of 26 subjects for their final degree (e.g. BSc Financial Mathematics, BSc Geology, BSc Chemistry etc).

Why should I choose a Common Entry Science course?
- This course is ideal if you are undecided about which area of Science interests you most as students have the flexibility to explore the full range of Science subjects.
- The flexible curriculum allows students to specialise in First Year should they know what they want to study. For example, if you are only interested in Physics, you can focus your studies from First Year onwards in Physics.
- The number of compulsory modules has been kept low to allow you to try out other subjects that you may not be familiar with or to deepen your interest in the areas that you wish to pursue to degree level.
- Students make an informed decision about their degree subject at the end of Second Year.

When do I select my degree major? - At the end of First Year, students choose a minimum of two subjects to study in Second Year (for example Statistics and Mathematics). Students will major in one of these subjects in Third and Fourth Year.

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.
DN201 Computer Science
- The DN201 Computer Science course is mainly a software engineering degree and is suitable for students with or without previous programming experience. There is no assumption that students have prior programming experience and all students will take introductory programming modules in First Year. At the end of Second Year, students have the option to major in either Computer Science or Computer Science with Data Science.

DN230 Bachelor of Actuarial & Financial Studies
- The DN230 Bachelor of Actuarial & Financial Studies (BAFS) is designed for students interested in becoming actuaries. This course offers the maximum exemptions from the Core Technical and Core Application exams and is designed for students interested in becoming actuaries. Students complete a professional work placement in third year that is integrated as part of the course in a financial institution or insurance company and equates to half the year’s work.

Are there any supports available to help students settle into UCD?
- A key feature of UCD Science is our Peer Mentoring programme. Your Peer Mentor will help you to get to know the ropes and offer support as you adapt to College life.
- During Orientation Week, academics and staff from the Science Office will be available to assist you in choosing your modules and in completing your registration. Academic advice is also available from experienced tutors when you drop in to the Maths and Computer Science Support Centres.

What are the facilities like in UCD Science?
- The UCD O’Brien Centre for Science is the largest capital investment in Science in the history of the Irish State with state-of-the-art labs, active learning environments, lecture theatres and classrooms. The laboratories are designed for groups of 25 students, ensuring that students get individual attention in modern, state-of-the-art facilities.

Can I visit the UCD Science facilities?
- Join us at the UCD Science, Computer Science & BAFS Open Evening on Tuesday 23 October 2018. Register now at www.myucd.ie to get an alert when bookings open.
- Tours of the UCD O’Brien Centre for Science can be arranged for individuals or groups by contacting gary.dunne@ucd.ie.

Where can I learn more about Career & Graduate Study Opportunities?
- There is a wide range of career opportunities available to Science graduates. Career maps for all of our subjects including Actuarial & Financial Studies, Computer Science and Computer Science with Data Science are available at www.ucd.ie/t4cms/ucdscience.pdf.

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

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.


Years 3 & 4

Biological, Biomedical & Biomolecular Sciences
Chemistry & Chemical Sciences
Mathematical, Physical & Geological Sciences

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BSc (Honours)

Shape your career with UCD Science

Conversion/Complementary Courses

Tufted & Research Master’s of Science (MSc)

Doctor of Philosophy (PhD) Science

Research & Academia

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.

*This BSc degree progresses to the MSc in Mathematics and Science Education as outlined in the Conversion/Complementary Courses section.
**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.

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**“I chose No Preference DN200 Science as it allowed me to study different subjects for the first two years like Statistics, Cell Signalling and Organic Chemistry. This meant I could see where my interests really lay between Chemistry and Biology after school. I finally chose to study Biochemistry and Molecular Biology as it combined elements of subjects I love such as Genetics, Cell Biology and lab skills with research possibilities. After third year, I completed a summer internship at the Pasteur Institute, Paris and I am now completing a Masters in Science Communication. My next plan is to pursue a PhD following graduation. I had lots of opportunities during my degree to take time away from study to play on the lacrosse team, become a peer mentor and treasurer of the Science Society.”**

Orla Sherwood
Graduate
Cell & Molecular Biology
BSc (Hons) (NFQ Level 8)

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.

"Cell and Molecular Biology is a rapidly advancing area where amazing new discoveries are being made as you study it, including by top researchers in UCD. The course is unique in that you have the option to choose relevant modules from Genetics, Plant Biology, Zoology and Pharmacology. This gives you a broad perspective while modules unique to the course give you more specialised knowledge in areas such as imaging and microscopy. The capstone of the degree is a five-month hands-on research project, for which I studied new 3D cell culture methods for hepatic cells. One of the highlights of my time in UCD was being involved in the Biological Society and organising the visit of Sir Paul Nurse, a Nobel Prize winner for his discoveries on how cells divide.”

Mark McDermott Student
"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 it provided a range of module options. For example, I had modules that incorporate Ecology, Botany, Microbiology and Zoology. The course was largely practical based, with most modules containing lab sessions and field trips, one of which takes place in Spain and gave me a chance to carry out field work on my own project. After I graduate, I would like to do some further study and hopefully work in conservation biology."

Niamh Quirke

Student

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

CAO Points Range 2017 505—625

Length of Course 4 Years

DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements

• O2/H6 in Mathematics
• O2/H6 in a laboratory science [Applied Mathematics or Geography may be used instead of a laboratory science subject] and
• O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest

Zoology →110
Plant Biology →109
Cell & Molecular Biology →102
Agri-Environmental Sciences →189

www.ucd.ie/myucd/environmentalbiology
**Genetics**

BSc (Hons) (NFQ Level 8)

**CAO Code DN200**

**CAO Points Range 2017** 505—625  
**Length of Course** 4 Years  
**DN200 Places** 400

For general entry requirements, see pages 190–196

**Leaving Cert Subject Entry Requirements**
- O2/H6 in Mathematics  
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and  
- O6/H7 in English, Irish and two other recognised subjects

**Other school leaving examinations**
- See www.ucd.ie/admissions
- Level 5/6 QQI-FET  
- See www.ucd.ie/FET

**Level 6/7 Progression Routes**
- Yes, see www.ucd.ie/transfer

**Mature Entry Route**
- See www.ucd.ie/maturestudents

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**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.

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"During the first two years of my DN200 Science course, I got to experience a wide variety of subjects. I discovered the exciting field of Genetics, which is at the forefront of biological research. I am now in my third year and have specialised in Genetics. I am learning about how genomic information is being unlocked and utilised to better understand disease and evolution. This course prepares you for a career in research, but does not limit you to this, providing the possibility of entering a wide variety of careers, from business to scientific journalism. I am interested to learn more about cutting-edge research and UCD Science has assisted me in securing a research internship at the European Molecular Biology Laboratory in Heidelberg this summer."

Béga Murray

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**Other courses of interest**

- Pharmacology
- Biochemistry & Molecular Biology
- Cell & Molecular Biology
- Microbiology
“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. I am currently working as a QA Food Science associate in a Glanbia dairy and am involved in assurance of the quality of milk from raw milk intake to final product despatch. My analytical style of thinking developed throughout my degree with UCD is vital for my role, working with large sets of data. The programme is two years in length with a rotation for the second year either in a new role or to a new geographical location or both. I would love the opportunity to try R&D as part of my rotation, something different but I’m sure equally as challenging as quality assurance.”

Emma Cullen Graduate

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 break down a multitude of toxic chemicals. Microbiologists use tools like molecular biology, fermentation, enzymology and 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, which can be an internship 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.
Neuroscience
BSc [Hons] (NFQ Level 8)

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; the Institute of Biochemistry and Pathobiology, Ruhr University Bochum; and in the Max Planck Institute for Brain Research, Frankfurt.

“Halfway through sixth 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. I studied Genetics and Biochemistry, as well as Neuroscience and found I enjoyed Genetics just as much as Neuroscience so, I decided to 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 Graduate

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
Pharmacology → 107
Physiology → 108

www.ucd.ie/myucd/neuroscience

Professor Michael Scott
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+353 1 716 6925
facebook.com/UCDScience
"I’m from Boston, Massachusetts, USA and fell in love with UCD following a family visit to Ireland. The community feel of the university alongside the modern academic facilities really appealed to me. I chose to study Pharmacology because I’m infatuated with the research of drugs and the treatment of diseases. Pharmacology is at the forefront of both biological and medical research, a career choice that has ample opportunities for both innovation and success, not just in Science and Medicine, but Business as well. Being a recognised university in the US means my transition back to the States one will be quite manageable as well. The campus, staff and student life in UCD has been so welcoming over the past few years that Dublin has started to feel like home.”

Courtney Greene
Graduate

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

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
Neuroscience →106
Physiology →108

www.ucd.ie/myucd/pharmacology

Pharmacology
BSc (Hons) (NFQ Level 8)

UCD School of Biomolecular and Biomedical Science
UCD Conway Institute of Biomolecular & Biomedical Research
Belfield, Dublin 4

John Crean
Associate Professor
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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.
"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 as my major. Our classes were specific to Plant Biology, the class sizes were smaller and we had lots of contact with lecturers and tutors. The opportunity to carry out a research internship in South America with the Plant Palaeoecology and Palaeobiology research group in my third year has to be one of the highlights of my time in UCD. After graduating, I completed a research Master’s in plant pathology and I am currently doing a PhD in molecular plant genetics, focused on the regulation of gene expression in stomatal guard cells.”

Emma Doyle Graduate

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

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
Zoology ➔ 110
Microbiology ➔ 105
Cell & Molecular Biology ➔ 102

www.ucd.ie/myucd/plantbiology

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+353 1 716 2251
facebook.com/UCDScience
Zoology

BSc (Hons) (NFQ Level 8)

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 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.

“From the moment I walked into UCD, I knew I made the right choice to go back to education, having spent six years travelling in Europe, working with horses as a groom and a rider. When I saw Zoology on the UCD website, it was like love at first sight. A field trip in Spain in third year included learning about the marine diversity present on the rocky shore and what insects and other organisms might lurk in the terrestrial environment of the maquis shrubland. My final year dissertation was on Caribbean long spined sea urchins in Honduras. UCD has shaped me profoundly, awakening an interest in marine biology I never knew I had. Zoology offers a multitude of paths; you just have to find the one(s?) that will lead you home.”

Sanni Hintikka Graduate

“..."
“I have always had an interest in Mathematics and a curiosity for the world around us. The DN200 Science course, therefore, really appealed to me as it allowed me to explore a diverse range of modules in first and second year before deciding on a degree path. I chose to specialise in Biology, Mathematics & Education as I am passionate about teaching and love the idea of studying science and education in an integrated manner. I also enjoy getting involved around campus and have made some amazing friends through volunteering with the Science Society and the Maths Sparks programme. In fact, the wide range of opportunities, amazing facilities and level of engagement and support from the academic staff make coming to UCD the best decision I ever made.”

Emily Lewanowski-Breen Student

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 & 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 • 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. Care is taken to slowly introduce you to placements to enable you to build confidence before teaching a class of pupils. 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.
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).

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.
“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
Chemistry with Environmental & Sustainable Chemistry

BSc (Hons) (NFQ Level 8)

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 Geology modules 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 • Optional industry internship module.

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 study abroad for a semester or year in third year. Potential universities include:
- University of Lund, Sweden
- University of Virginia, USA
- McGill University, Canada.

“I came to UCD with a background in Biology and Chemistry, so the DN200 really helped me to make my mind up over which discipline I wanted to pursue. As it turns out, I really loved Chemistry so I am now in third year Chemistry with Environmental and Sustainable Chemistry and I am honestly loving it! It combines the traditional aspects of Chemistry that I previously learned about, such as organic and inorganic, as well as new environmental topics. I am currently planning to do an internship here in UCD over the summer. It is my future hope that I may stay on to complete a PhD after graduation, or possibly work for a pharmaceutical company. Overall I am extremely happy I chose Chemistry in UCD. Over my time in UCD, I have been an orientation guide and an OCM of the Science Society, while also being a member of many other societies along the way.”

Alan Buckley
Student

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET
Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer
Mature Entry Route
See www.ucd.ie/maturestudents

Other courses of interest
Chemistry →112
Medicinal Chemistry & Chemical Biology →115
Chemistry with Biophysical Chemistry →113
“I always knew that I wanted to study Chemistry after taking it for the Leaving Certificate. However, it was only through the flexibility of the DN200 course in UCD that I was able to explore further subjects such as Biochemistry and Pharmacology. This led me to pursue a degree in Medicinal Chemistry & Chemical Biology, and although the material is challenging, it is an extremely rewarding course. The knowledge and practical laboratory skills I’ve acquired are invaluable, especially in terms of drug development and discovery. After my degree, I hope to continue further with my studies and complete a PhD. UCD is an incredibly diverse place, and during my time here I’ve been able to study Chinese, Russian and Japanese, and am now secretary of the Japanese society.”
Amelia Glynn  Student

**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.
Chemistry, Mathematics & Education

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

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 & 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.

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. Care is taken to slowly introduce you to placements to enable you to build confidence before teaching a class of pupils. 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.

Other courses of interest
- Applied Mathematics, Mathematics & Education
- Biology, Mathematics & Education
- Physics, Mathematics & Education

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 5 Years (BSc 4 Years + MSc 1 Year)
DN200 Places 400

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET
Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
We recommend that all students in Chemistry, Mathematics & Education should have a minimum Grade H4 in Leaving Certificate Mathematics, or equivalent.

Associate Professor Maria Meehan
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Science and Mathematics were always my favourite subjects in school and I knew I would study something Science related in third level education. Having always wanted to be a teacher, I realised that the Science, Maths and Education pathway was for me. I am quite lucky as I get to study my two favourite subjects, Chemistry and Mathematics, in depth. I am currently undertaking a placement in Third Year. It is an eight week observation/teaching placement that runs alongside my lectures and labs. It is extremely beneficial as I can see the theories and educational practices I have been learning over the last two years put into practice. It is an opportunity to prepare myself for the year-long placement in my final year.

Conor Eivers
Student
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 sectors.

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 sectors.

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 and Statistics • Optional Science modules • Elective modules

Second Year
Applied & Computational Mathematics (includes Mathematics and 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, written exams, and practical computer programming tasks.

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.

"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 was the perfect balance between physical problems, maths problems and programming. In this course, you get to learn about a lot of advanced areas of Mathematics and you also learn how to apply these methods to real-life physical systems. I am currently researching for a PhD at UCD in wave turbulence, an area of Mathematics which has potential applications in engineering and optics.”
Shane Walsh Graduate

www.ucd.ie/myucd/appliedandcomputationalmathematics

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QNI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
We recommend that all students in Applied & Computational Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.
Financial Mathematics

BSc (Hons) [NFQ Level 8]

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
We recommend that all students in Financial Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

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.

www.ucd.ie/myucd/financialmathematics

Dr Adamaria Perrotta
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“...My PhD in Pure Mathematics focused on partial differential equations. I then taught Mathematical Analysis and in order to adapt the teaching of Mathematics to real-world applications, I had to analyse real business cases, which deepened my interest in Applied Mathematics. I then decided to move to the financial industry and for five years I worked as a Business Analyst in the Derivatives Pricing and Risk Management Department of an advisory firm. Today, I feel very lucky because my job draws on my experience to date and the modules I teach in Financial Mathematics will prepare students to work in today’s financial sector. Our Financial Mathematics degree provides a thorough preparation to work in banking, insurance and financial services by teaching the main skills required, such as data analysis, mathematical modelling, numerical methods and coding, financial economics and corporate finance.”

Dr Adamaria Perrotta
Staff
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 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.

Other courses of interest

- Theoretical Physics
- Physics with Astronomy & Space Science

For general entry requirements, see pages 190-196

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents
Mathematics
[through Science]

BSc (Hons) (NFQ Level 8)

Why is this course for me?
Mathematics is a basic tool in all scientific subjects such as 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 and PhD programmes in Mathematical Sciences in Ireland and abroad, leading to research in universities, research institutes or in industry.

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.

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
Graduate
UCD Mathematical, Physical & Geological Sciences

CAO Code DN200
CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI–FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
We recommend that all students in Mathematics should have a minimum Grade H3 in Leaving Certificate Mathematics, or equivalent.

Other courses of interest
Actuarial and Financial Studies 129
Computer Science 130
Theoretical Physics 131

www.ucd.ie/myucd/mathematics

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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 Ad Astra Scholar

**Why is this subject for me?**
If you are interested in studying Mathematics together with an Arts and Humanities or Social Sciences subject, then this degree is for you.

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 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.

**BA Arts**
Mathematics as part of a BA can be combined with one of 12 subjects including English, Music, Irish and History.

**First Year**
- Calculus
- Linear Algebra
- Combinatorics & Number Theory
- Plus Other Subject
- Plus Electives

**Second Year**
Topics in Mathematics include:
- Multivariable Calculus
- Analysis
- Linear Algebra
- Plus Other Subject
- Electives

**Third Year**
- Complex Analysis
- Geometry
- Group Theory and Applications
- The Mathematics of Google
- Theory of Games
- Plus Other Subject
- Plus Elective Modules

**BSc Social Sciences**
Mathematics as part of a BSc can be combined with one of seven subjects including:
- Economics
- Sociology
- Geography

**Career & Graduate Study Opportunities**
The skills and problem-solving abilities you acquire are highly prized in a range of professions. Mathematics 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 Mathematical Science), HDip in Statistics, and MA in either Mathematics or Statistics.

**International Study Opportunities**
- University of California, USA
- Queen's University, Canada
- University of Perugia, Italy
- University of Konstanz, Germany

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**CAO Code DN520 BA Arts**

- **CAO Points Range 2017**: N/A
- **Length of Course**: 3 Years
- **DN520 Places**: 350
- **For general entry requirements, see pages 190-196**
- **Leaving Cert Subject Entry Requirements**: See www.ucd.ie/see pages 190-196
- **Other school leaving examinations**: See www.ucd.ie/admissions
- **Level 5/6 QFI-FET**: See www.ucd.ie/FET
- **Mature Entry Route**: See www.ucd.ie/maturestudents
- **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.

### Studying Mathematics

**as a Joint Major with one of the below:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>Irish</td>
</tr>
<tr>
<td>Drama</td>
<td>Irish Folklore</td>
</tr>
<tr>
<td>English</td>
<td>Italian</td>
</tr>
<tr>
<td>French</td>
<td>Linguistics</td>
</tr>
<tr>
<td>Greek &amp; Roman Civilisation</td>
<td>Music</td>
</tr>
<tr>
<td>History</td>
<td>Statistics</td>
</tr>
</tbody>
</table>

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**CAO Code DN700 BSc Social Sciences**

- **CAO Points Range 2017**: N/A
- **Length of course**: 4 Years
- **DN700 Places**: 500
- **Leaving Cert Subject Entry Requirements**: See www.ucd.ie/admissions
- **Other Entry Routes**: same as above

### Studying Mathematics

**as a Joint Major with one of the below:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archeology</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Economics</td>
<td>Politics &amp; International Relations</td>
</tr>
<tr>
<td>Geography</td>
<td>Sociology</td>
</tr>
<tr>
<td>Information and Communication Studies</td>
<td></td>
</tr>
</tbody>
</table>

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**Other courses of interest**

- Economics → 61
- Economics, Mathematics & Statistics → 82

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** UC School of Mathematics and Statistics Science Centre North, UCD, Belfield, Dublin 4 **

- mathsandstats@maths.ucd.ie
- +353 1 716 2952
- facebook.com/MyUCD

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**U C D Arts & Humanities, Social Sciences**
In the pharmaceutical industry, statistical skills are key in the new applications. Training in statistical science is valued highly. Statisticians help businesses 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. The number of statistics in both taught and research programmes, and a number of our graduates have gone on to further studies. With a Statistics degree, you’ll be in demand, as more and more employers are seeking 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.

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.

”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

CAO Code DN200

<table>
<thead>
<tr>
<th>CAO Points Range 2017</th>
<th>505—625</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of Course</td>
<td>4 Years</td>
</tr>
<tr>
<td>DN200 Places</td>
<td>400</td>
</tr>
</tbody>
</table>

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science (Applied Mathematics or Geography may be used instead of a laboratory science subject) and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET
Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer
Mature Entry Route
See www.ucd.ie/maturestudents

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
Financial Mathematics  118
Actuarial & Financial Studies  129
Statistics  122

www.ucd.ie/myucd/statistics

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.

What will I study?
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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
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See www.ucd.ie/FET
Level 6/7 Progression Routes
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Actuarial & Financial Studies  129
Statistics  122

www.ucd.ie/myucd/statistics

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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.
Why is this subject for me?
If you are interested in studying Statistics with an Arts and Humanities or Social Science subject, then this degree could be for you. 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.

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 into how statistical methods are used in practice. Statistics as part of a BA can be combined with one of eight subjects, including English and Art History.

BA Joint Honours:
First Year
Statistical Modelling • Practical Statistics • Calculus • Plus Other Subject • Electives

Second Year
Probability Theory • Inferential Statistics • Linear Models I • Linear Models II • Plus Other Subject • Plus Elective Modules

Third & Fourth Year
Time Series Analysis • Bayesian Analysis • Data Programming • Statistical Data Mining • Monte Carlo Inference • Survey Sampling • Multivariate Analysis • Actuarial Statistics I • Research Portfolio • Internship Opportunity • Study Abroad Opportunity • Plus Other subject • Electives in Third Year.

Assessment
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 Mathematical Science] and GradDip in Actuarial Science.

International Study Opportunities
- University of California, USA
- Queen’s University, Canada
- University of Perugia, Italy
- University of Konstanz, Germany.
Physics with Astronomy & Space Science
BSc [Hons] (NFQ Level 8)

CAO Code DN200

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 field-trip where 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.

Professor Lorraine Hanlon &
Associate Professor John Quinn  UCD School of Physics
Science Centre (North), Belfield, Dublin 4
lorraine.hanlon@ucd.ie  john.quinn@ucd.ie  +353 1 716 2214
facebook.com/UCDScience

“... My degree in UCD has provided me with opportunities I could never have imagined. Just this year, I went to Teide Observatory in Tenerife where I observed star clusters with two optical telescopes which was an amazing experience. Being part of the Physics Society meant I got to visit CERN in my First Year and with the French Society I went to Nice and Monaco making friends outside of my degree. During this degree, I have completed two internships. One based in education and the other involved building I-LOFAR, a research grade radio telescope in Offaly. However, new interests are always on the horizon. In my final semester, I am doing a Medical Physics module which has sparked a new passion aside from astronomy as it allows me to unite my interests in biology and physics.”

Rachel Dunwoody  Student

Star Trails around Polaris on top of the IAC-80 telescope at Teide Observatory.

Santa Cruz, USA
- San Jose State University, California, USA
- University of Melbourne, Australia.

www.ucd.ie/myucd/physics
withastronomyandspacescience

Other courses of interest
Physics →119
Theoretical Physics →125
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 electromagnetic, 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]
- 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.

CAO Code DN200

CAO Points Range 2017 505—625
Length of Course 4 Years
DN200 Places 400

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements
- O2/H6 in Mathematics
- O2/H6 in a laboratory science [Applied Mathematics or Geography may be used instead of a laboratory science subject] and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
Yes, see www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Dr Vladimir Lobaskin, UCD School of Physics
Professor Adrian Ottewill, UCD School of Mathematics and Statistics
Science Centre, Belfield, Dublin 4

vladimir.lobaskin@ucd.ie
adrian.ottewill@ucd.ie
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"I found Physics, in particular Quantum Physics, to be really interesting in secondary school and so chose to study Theoretical Physics at UCD because the course focuses heavily on the areas that I found cool. Especially in our last two years, we have the ability to tailor our module choices to the areas of Physics that we find interesting, be it Quantum Physics, Theoretical Astrophysics or Computational Physics, among many others. A great thing about Physics is all the support we get from lecturers, as well as the other years. Outside of studying, UCD gave me the option to return to Lacrosse and Taekwondo, and I also picked up Judo. I got involved in the Physics Society as Auditor, which allowed me to connect more with the other years and people from across the university."

Athina Lange Student

Writing the Rydberg formula for the wavelengths of Hydrogen atomic transitions.
"In Geology, field work is an essential component which is so different to a classroom learning environment. Most recently I've had the opportunity to travel to Almeria in Spain to study geological evolution of mountain belts. On a field trip you’re out immersed in the Geology of the area for the full day and then return in the evening to your accommodation for a well-deserved feed and a summary of what you’ve studied that day. With a degree in Geology you learn so much about how wonderfully dynamic the planet we live on is. After I graduate I want pursue a career involving the reconstruction of ancient environments. I’m currently considering undertaking further study in the mechanisms behind past climate change and catastrophic events."

Grace Fitzgerald
Student

Geology
BSc (Hons) (NFQ Level 8)

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

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.

Associate Professor Julian Menuge
UCD School of Earth Sciences
Belfield, Dublin 4
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+353 1 716 2141
facebook.com/UCDScience
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 & Education leads directly to the one-year MSc in Mathematics & 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. Care is taken to slowly introduce you to placements to enable you to build confidence before teaching a class of pupils. 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.
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 & 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. Care is taken to slowly introduce you to placements to enable you to build confidence before teaching a class of pupils. 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.

Other courses of interest
Applied Mathematics, Mathematics & Education → 127
Biology, Mathematics & Education → 111
Chemistry, Mathematics & Education → 116

www.ucd.ie/myucd/physmathed

“The Science DN200 course was a perfect option for me as it allowed me to study all the sciences in first year, before concentrating on my chosen pathway of Physics, Maths & Education. I plan to further my studies to MSc level, where I hope to qualify as a post-primary education teacher. Such is the flexibility of this course, however, that many other options are still available to me in both Maths and Physics. UCD offers many opportunities for students to get involved. I have been a member of UCD GAA club since first year and play with the Men’s Gaelic Football Team. It is a good way of getting a break from time spent studying.”

Jim Rossiter Student

Associate Professor Maria Meehan
UCD School of Mathematics and Statistics
Belfield, Dublin 4
maria.meehan@ucd.ie
+353 1 716 2581
facebook.com/UCDScience
"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 Graduate, FSAI, Senior Actuary at Central Bank of Ireland

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**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. An actuary is a professional who uses numbers to make judgements about the future, compared to an accountant who is a professional who typically uses numbers to make judgements about the past. This course 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.

A good actuary requires a multi-disciplined education in fields such as mathematics, economics, finance, statistics, risk management, psychology and professionalism and ethics. 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. Actuaries have traditionally worked mostly in the life assurance and pensions industries but are increasing moving into wider fields, where they can employ their multi-disciplined approach.

The course also opens up options to work in finance, investment and trading.

**What will I study?**

This is a sample pathway for a degree in Actuarial & Financial Studies. The course is broad and highly multi-disciplined.

**First Year**

Mathematics • Economics • Statistics • Accounting • Computer Science • Elective modules

**Second Year**

Finance • Statistics • Actuarial Mathematics • Economic History • Elective modules

**Third Year**

Investment & Trading • Actuarial Statistics • Information Management • Workplace Skills • Six month professional placement in an insurance and financial institution in Ireland, the UK or the USA

**Fourth Year**

Financial & Actuarial Maths • Actuarial Statistics • Actuarial Risk Management • Ethics & Professionalism • Elective modules

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
- Investment

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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Assistant Professor Colm Fitzgerald
UCD School of Mathematics and Statistics
Belfield, Dublin 4

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+353 1 716 2538
facebook.com/UCDScience

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**Actuarial &
Financial Studies**

BAFS (Hons) (NFQ Level 8)

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**CAO Code DN230**

**CAO Points Range 2017** 577—625

**Length of Course** 4 Years

**DN230 Places** 47

**For general entry requirements, see pages 190–196**

**Leaving Cert Subject Entry Requirements**

- H2 in Mathematics
- O6/H7 in English, Irish and three other recognised subjects

**Other school leaving examinations**

See www.ucd.ie/admissions

**Level 5/6 QQI–FET**

None

**Level 6/7 Progression Routes**

None

**Mature Entry Route**

See www.ucd.ie/maturestudents

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**Other courses of interest**

- Commerce ➔ 92
- Economics & Finance ➔ 95
- Financial Mathematics ➔ 118

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www.ucd.ie/myucd/
actuarialandfinancialstudies
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
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 and 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.

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, PwC)
- 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.
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.
**UCD Medicine**

**MB, BCh, BAO (Hons) [NFQ Level 8]**

**CAO Code DN400**

**CAO Points Range 2017** 543—625
**HPAT Score Range 2017** 172—249
**Combined Range 2017** 734—814

**Length of Course 6 Years**

**Places 90**

1 Applicants who accept a place in DN400 and who have previous third level credits may apply for Recognition of Prior Learning. Applicants may be granted exemption from some or all of stage 1.

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**For general entry requirements see pages 190-196**

**Leaving Cert Subject Entry Requirements**

- D6/H7 in English, Irish, Mathematics, a third language, a laboratory science subject and 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/registry/admissions/DN400_HPAT.html**

Students who have previously been unsuccessful in any Medicine programme [i.e. have not met academic or other requirements within the programme] or have any issues which would affect their registration with the Irish Medical Council will only be considered for admission on a case-by-case appeal basis in exceptional circumstances, to be considered by the Medicine Programme Board.

**Other school leaving examinations See www.ucd.ie/admissions**

**Level 5/6 QQI-FET None**

**Mature Entry Route**

See www.ucd.ie/maturestudents

**Health Screening & Garda Vetting**

See page 191

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**Other courses of interest**

- Biomedical, Health & Life Sciences ➔ 136
- Radiography ➔ 138
- Physiotherapy ➔ 1248
- Science ➔ 97

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**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 will 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 • Respiratory Diseases • Clinical Skills and attachments in hospitals • Clinical Diagnosis & Therapeutics • General Practice and Professionalism • ENT & Ophthalmology

**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/](http://www.ucd.ie/myucd/med/).

**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.

**Opportunities for Research**

The Student Summer Research programme is an 8 week research opportunity that brings to life our commitment to foster a passion for enquiry, discovery and investigative research for more than 100 students each year.

**Career & Graduate Study Opportunities**

Graduates of the School have achieved worldwide recognition in clinical practice, research and healthcare leadership. Following graduation, you complete one year as an intern, followed by training towards a career in a wide variety of specialties and settings including hospitals, primary care facilities, or laboratory-based diagnosis and research.

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"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
Studying UCD Medicine

**Engage with the principles**

**Year 1**

**SCIENTIFIC PRINCIPLES OF HUMAN HEALTH**

- Physical Sciences
- Genetics
- Social & Ethical Concepts
- Cellular & Human Biology

**Year 2**

**UNDERSTANDING HEALTHY ORGAN SYSTEMS**

- Anatomy
- Histology
- Biochemistry
- Physiology

**CLINICAL CONCEPTS**

- Health Informatics/Basic Clinical Skills/Public Health

**Years 3 & 4**

**UNDERSTANDING HUMAN DISEASE**

- Anatomy & Physiology
- Pathology
- Clinical Pharmacology
- Microbiology

**CLINICAL & PROFESSIONAL CONCEPTS**

- Clinical Skills Diagnosis & Therapeutics
- Disability Studies Professionalism Ethics
- ENT & Ophthalmology/Therapeutics

**Years 5 & 6**

**Prepare for professional practice**

**HOSPITAL & COMMUNITY BASED ADVANCED CLINICAL PRACTICE**

- Medicine
- Surgery
- Psychiatry
- Obstetrics & Gynaecology
- General Practice
- 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 MD, PhD, MSc, MCh:
  - Vascular Disease & Diabetes
  - Infection & Inflammation
  - Biological Imaging

**Shape your career with UCD Medicine**

- Doctor

- Internship in the UCD Intern Training Programme

- **HOSPITAL CONSULTANT:** Medicine, Surgery, Paediatrics, Obstetrics, Psychiatry, Radiology, Anaesthesia
- **GENERAL PRACTITIONER**
- **PUBLIC HEALTH DOCTOR**
- **CLINICAL RESEARCH**

Continue to develop your professional career with UCD...
There is a real sense of camaraderie among you for life as an intern. To integrate your knowledge and prepare acclaimed Professional Completion module and paediatrics. Finally, you'll undertake our in a series of specialist rotations, including.

During your clinical training, you'll participate clinical education complete your degree. 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.

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.

Opportunities for Research
Each year, approximately 100 Medicine students undertake an 8 week supervised laboratory, clinical or medical education projects in Ireland or at one of our partner institutions in the Student Summer Research programme. The programme brings to life our commitment to foster in our students a passion for enquiry, discovery and investigative research.

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Biomedical, Health & Life Sciences

BSc [Hons] (NFQ Level 8)

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:
Clinical Human Anatomy - Translational Research - Basic Tissues & Early Development - Genetics Cell Biology.
you’ll also 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:

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 take modules in:
Cloning, gene therapy and stem cells • Advanced neurochemistry • Drug discovery & development • Clinical biomarkers • Genetics, disease & behaviour.
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.
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.
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 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 • Image Interpretation • Elective modules • Clinical Placement

Third Year
Advanced Practice of Radiography • Computed Tomography • Ultrasound • Introduction to Research • Mechanisms of Disease • Paediatrics • Elective modules • Clinical Placement

Fourth Year
Professional Completion • Legal Medicine • Magnetic Resonance Imaging • Nuclear Medicine • Research • 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, including to the USA, are available at various stages within the programme.
# 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 (Honours) Radiography

### 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
  - Medical Imaging

**Master’s (Taught & Research) & PhD**
- **Themes include**
  - Child Welfare & Protection
  - Computed Tomography
  - Magnetic Resonance Imaging
  - Mammography
  - Medical Imaging
  - Radionuclide/PET Imaging
  - Ultrasound

### Shape your career with UCD Radiography & Diagnostic Imaging
**Career Opportunities**
- Clinical Specialist Radiographer
- Radiography Services Manager
- Clinical Practice Tutor
- Lecturer
- Researcher
- Applications Specialist

### State Registration: CORU Radiographers Registration Board
- CDRU Continuing Professional Development (CPD) requirements require evidenced activity and a broad range of appropriate CPD is advised for all radiographers on a continuing basis.

**Continue to develop your professional career with UCD...**
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 in health care services in the community and with our 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, Community Health Care East, 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. 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.

*IEHG East Hospitals Group
- Mater Misericordiae University Hospital
- St. Vincent’s University Hospital
- 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

Nursing
- Nursing (General) 142
- Nursing (Children’s & General) 143
- Nursing (Mental Health) 144

Midwifery 145
Studying UCD Nursing or Midwifery

Year 1
Engage with the principles

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>Social Sciences</th>
<th>Behavioural Sciences</th>
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<td><strong>CORE SUBJECT</strong></td>
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<tr>
<td>Nursing or Midwifery Science</td>
<td>Clinical Practice — hospital &amp; community</td>
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Years 2 & 3
Develop your knowledge & skills for clinical practice

<table>
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<td><strong>CORE SUBJECT</strong></td>
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<td><strong>CORE SUBJECT</strong></td>
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<tr>
<td>Optional international study abroad [12 weeks]</td>
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<tr>
<td>Nursing or Midwifery Science</td>
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<tr>
<td>Clinical Practice — specialist hospital &amp; community placements</td>
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Year 4
Prepare for professional practice

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>Social Sciences</th>
<th>Behavioural Sciences</th>
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<tr>
<td><strong>CORE SUBJECT</strong></td>
<td><strong>CORE SUBJECT</strong></td>
<td><strong>CORE SUBJECT</strong></td>
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<tr>
<td>Nursing or Midwifery Science</td>
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<tr>
<td>Clinical Practice — hospital placement including 36-week internship</td>
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BSc Nursing/Midwifery [Honours]

Specialise through UCD graduate study

Higher Diploma
- Children’s Nursing
- Midwifery
- Mental Health

Registered General Nurse [RGN]
Registered Midwife [RM]
Registered Psychiatric Nurse [RPN]
Registered Childrens Nurse [RCN]

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)

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 will 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
- Scholarship of Enquiry - 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
- Teaching & Learning
- 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, which form a significant part of the programme are completed primarily in the St Vincent’s Healthcare Group or the Mater Misericordiae University Hospital, and in numerous other clinical sites throughout the Irish East Hospital Group (IEHG) network.

These clinical placement locations are centres of excellence, where you’ll work with multidisciplinary teams to provide first-class, patient-centred care. Students can be placed in any IEHG site on one or multiple occasions during their programme to enable them to achieve the necessary clinical learning outcomes.

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
In second year, you have the opportunity to study in Europe for a semester. See www.nmhs.ucd.ie/study-with-us/erasmus.

* Please Note: Curriculum may be subject to change in line with NMBI Nurse Registration Programmes Standards and Requirements.
"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

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
Scholarship of Enquiry • Scientific Principles • Foundations of Nursing • Psychology • Interpersonal Skills • Practice experience in a hospital setting for approximately 10 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, St Vincent’s Healthcare Group, and in numerous other clinical sites within the Ireland East Hospital 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.nnhs.ucd.ie/study-with-us/erasmus.

* Please Note: Curriculum may be subject to change in line with NMBI Nurse Registration Programmes Standards and Requirements.
**Nursing (Mental Health)**

BSc (Hons) (NFQ Level 8)

**UCD Nursing & Midwifery**

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**Why is this course for me?**

If you want to care for the psychological, social, physical, emotional 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 will study in university and across a wide range of mental health services. Most importantly you will learn from those who are experts by experience: people living with or who have experienced mental health difficulties. You will develop the skills 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.

Caring for others requires you to learn how to care for yourself; we will support your learning through instruction in mindfulness, self-awareness and reflection skills.

You will also learn from Assistant Professor-Lecturers and Registered Psychiatric Nurses who practise predominantly within either Saint John of God Hospital and Cluain Mhuire Services OR within Community Health Care East.

**What will I study?**

You will study a diverse range of subjects related to understanding yourself and others emotionally, psychologically, physically, spiritually and socially. You will learn how to communicate in a therapeutic way and to support and assist people to self-manage their recovery.

**First Year**

Scholarship of Enquiry • Foundations of Mental Health Nursing • Scientific Principles • Psychology & Communication • Nursing practice experience in mental health services for 10 weeks

**Second & Third Year**

Health Promotion • Ageing and Health • Pharmacology and Specialist clinical placements such as forensic psychiatry • substance misuse • dual diagnosis: mental health and intellectual disability • child and adolescent psychiatry • including a module in General Nursing.

**Fourth Year**

Leadership and Management • Evidence-based Practice in Healthcare • Clinical placement/internship • Preparation for the professional role.

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 and profession.

**Career & Graduate Study Opportunities**

You will have the opportunity to work as a Registered Psychiatric Nurse to consolidate your learning and further develop your knowledge and expertise. You can later specialise and practice as a Clinical Nurse Specialist in a wide array of areas including for example: Child and Adolescent Psychiatry, Addictions, Recovery, Eating Disorders, Rehabilitation and Psychiatry of Later Life.

**International Study Opportunities**

In second year, you have the opportunity to study in Europe for a semester. See [www.nmhs.ucd.ie/study-with-us/erasmus](http://www.nmhs.ucd.ie/study-with-us/erasmus).

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**Other courses of interest**

- Nursing (General) → 142
- Nursing (Children’s & General) → 143
- Midwifery → 145
- Medicine → 133

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**Other school leaving examinations**

- Level 5/6 QCI-FET
- See [www.ucd.ie/admissions](http://www.ucd.ie/admissions)
- Mature Entry Route
- See [www.ucd.ie/maturestudents](http://www.ucd.ie/maturestudents)
- Health Screening & Garda Vetting
- See page 191

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**CAO Code DN453**

- **CAO Points Range 2017** 359—445
- **Length of Course** 4 Years
- **Places** 26

For general entry requirements, see pages 190-196

**Leaving Cert Subject Entry Requirements**

- 06/H7 in English, Irish, Mathematics, a laboratory science subject and two other recognised subjects

Applicants who have previously failed to meet programme requirements in any Nursing or Midwifery programme or have any issues which would affect their registration with the Nursing and Midwifery Board of Ireland will not normally be eligible.

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**Why is this course for me?**

If you want to care for the psychological, social, physical, emotional 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 will study in university and across a wide range of mental health services. Most importantly you will learn from those who are experts by experience: people living with or who have experienced mental health difficulties. You will develop the skills 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.

Caring for others requires you to learn how to care for yourself; we will support your learning through instruction in mindfulness, self-awareness and reflection skills.

You will also learn from Assistant Professor-Lecturers and Registered Psychiatric Nurses who practise predominantly within either Saint John of God Hospital and Cluain Mhuire Services OR within Community Health Care East.

**What will I study?**

You will study a diverse range of subjects related to understanding yourself and others emotionally, psychologically, physically, spiritually and socially. You will learn how to communicate in a therapeutic way and to support and assist people to self-manage their recovery.

**First Year**

Scholarship of Enquiry • Foundations of Mental Health Nursing • Scientific Principles • Psychology & Communication • Nursing practice experience in mental health services for 10 weeks

**Second & Third Year**

Health Promotion • Ageing and Health • Pharmacology and Specialist clinical placements such as forensic psychiatry • substance misuse • dual diagnosis: mental health and intellectual disability • child and adolescent psychiatry • including a module in General Nursing.

**Fourth Year**

Leadership and Management • Evidence-based Practice in Healthcare • Clinical placement/internship • Preparation for the professional role.

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 and profession.

**Career & Graduate Study Opportunities**

You will have the opportunity to work as a Registered Psychiatric Nurse to consolidate your learning and further develop your knowledge and expertise. You can later specialise and practice as a Clinical Nurse Specialist in a wide array of areas including for example: Child and Adolescent Psychiatry, Addictions, Recovery, Eating Disorders, Rehabilitation and Psychiatry of Later Life.

**International Study Opportunities**

In second year, you have the opportunity to study in Europe for a semester. See [www.nmhs.ucd.ie/study-with-us/erasmus](http://www.nmhs.ucd.ie/study-with-us/erasmus).

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*Please Note: Curriculum may be subject to change in line with NMBI Nurse Registration Programmes Standards and Requirements.*
“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

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
Scholarship of Enquiry • 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
Clinical Placements, which form a significant part of the programme are completed across a number of sites throughout the Ireland East Hospital Group (IEHG). You will attend clinical placements in the internationally renowned National Maternity Hospital (NMH) and a linked maternity unit in the IEHG e.g in Wexford General, Midland Regional Hospital Mullingar and St Luke’s General Hospital, Kilkenny. Students will be placed in any IEHG site on one or multiple occasions during their programme to enable them to achieve the necessary clinical learning outcomes.

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.

* Please Note: Curriculum may be subject to change in line with NMBI Midwifery Registration Programmes Standards and Requirements.

Midwifery
BSc [Hons] (NFQ Level 8)

CAO Code DN452

CAO Points Range 2017 462—510
Length of Course 4 Years
Places 20

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
O6/H7 in English, Irish, Mathematics, a laboratory science subject and two other recognised subjects

Applicants who have previously failed to meet programme requirements in any Nursing or Midwifery programme or have any issues which would affect their registration with the Nursing and Midwifery Board of Ireland will not normally be eligible.

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET

Mature Entry Route
See www.ucd.ie/maturestudents

Health Screening & Garda Vetting
See page 191

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] →142
Nursing (Children’s & General) →143
Nursing (Mental Health) →144
Medicine →133

UCD Nursing, Midwifery & Health Systems
Programme Office
Health Sciences Centre, Belfield, Dublin 4
nursing@ucd.ie
+353 1 716 6407/6569
facebook.com/ucdschoolofnursingmidwiferyandhealthsystems
Physiotherapy

As a qualified UCD physiotherapist, you will be in a position to pursue one of the most rewarding 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.

The BSc Physiotherapy Programme is recognised by CORU, the Health and Social Care Professionals Regulatory Body, as an approved programme.

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
- Exercise
- Musculoskeletal
- Psychology/Sociology
- Cardiorespiratory
- Research
- Applied Physical Agents
- Biomechanics
- Clinical Skills
- Intermediate Physiotherapy Professional Practice

Year 4
Professional practice
- Clinical Specialities & Pain
- Pharmacology
- Sports Exercise Physiotherapy
- Optional International Professional Practice Abroad
- Legal Medicine
- Advanced Physiotherapy Professional Practice
- Research Project

BSc Physiotherapy (Honours)

Specialise through UCD graduate study
- Taught Clinical Specialist Programmes
  - MSc/Graduate Diploma in Sports Physiotherapy
  - MSc/Graduate Diploma/Certificate in Advanced Physiotherapy Studies
- Research
  - MSc
  - PhD

Eligibility for registration as a Chartered Physiotherapist

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...
Physiotherapy
BSc (Hons) [NFQ Level 8]

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, Cardiorespiratory & 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
- 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, as well as elective placements in fourth year (see International Study Opportunities above).
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**

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<thead>
<tr>
<th>Subject</th>
<th>Course</th>
<th>Year 1</th>
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<tbody>
<tr>
<td>Marketing &amp; Management of Sport</td>
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<tr>
<td>Cultural &amp; Legal Foundations of Sport &amp; Development</td>
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<tr>
<td>Anatomy &amp; Kinesiology</td>
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<td></td>
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<tr>
<td>Academic &amp; Information Technology Skills</td>
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<td></td>
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<tr>
<td>Exercise Physiology</td>
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<tr>
<td>Chemistry &amp; Biochemistry</td>
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**Year 2**

**Apply knowledge base**

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<tr>
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<tr>
<td>Sports, Coaching &amp; Exercise Management</td>
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<tr>
<td>Physiology, Fitness &amp; Biomechanics Testing</td>
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<td>Work Placement in Ireland or Abroad</td>
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<tr>
<td>Sports &amp; Exercise Psychology</td>
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<tr>
<td>Strength &amp; Conditioning</td>
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Optional Study Abroad experience in the USA, Canada or Australia and New Zealand

### Year 3

**Specialise**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
<th>Year 3</th>
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### 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 | | |

**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...
“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 and UCD Ad Astra Elite Athlete Scholar.

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.
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: Learn Basic Principles
- Sports Development
- Theory of Coaching
- Sports Legislation
- Sports Marketing
- Financial Management
- Sports Management
- Introduction to Exercise Science

Second Year: Apply Knowledge
- Event Management
- Economics of Sport
- Sport/Health Psychology
- Strategic Planning
- Human Resource Management

Students specialise in one of the following:
- Digital Sports Marketing
- Player Development and Welfare
- Fundamentals of Strength and Conditioning
- Principles of Exercise Prescription

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.

Year 3: Develop Experience
- Exercise and Public Health
- Research
- Professional Skills for Sport Managers
- Communication and Media in Sport

Students study both core modules and their selected specialisation. They also undertake an individual research project, 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.
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. You will also be introduced to aspects of your development as a professional person in preparation for the professional work setting after you graduate. 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]

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**CAO Code DN300**

- **CAO Points Range 2017**: 555 – 625
- **Length of Course**: 5 Years
- **Places**: 82

**For general entry requirements, see pages 190-196**

**Leaving Cert Subject Entry Requirements**
- H5 Chemistry
- 06/H7 in English, Irish, Mathematics, a third language and one other recognised subject

**Application Procedure**

Applicants must apply via CAO no later than 1 February.

**Practical Experience Requirement**

Undergraduate students applying through the CAO system will be required to demonstrate that they have acquired at least 60 hours practical experience relevant to animal handling between 3 February, 2016, and 22 March, 2019. For those students who have not met academic or other requirements in any Veterinary Medicine programme (i.e. those students who have not met academic or other requirements within the programme) will only be considered on a case-by-case appeal basis, to be considered by the relevant Programme Board.

**Please note:** Biology at Leaving Certificate is not required but it is strongly recommended

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**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.

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"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
Veterinary Medicine [Graduate Entry]

MVB [Hons] (NFQ Level 8)

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 “Non-EU” 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.

iv) interview

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.
“From a very young age I knew I wanted to work with animals when I grew up. The course in UCD while challenging, is extremely rewarding and enjoyable. The course comprises of lectures, tutorials, practical classes and clinical placement. Each as important as the other. My favourite though, I must admit, were the practical classes and especially clinical placement within UCD Veterinary Hospital in final year. So much so that after graduation I was fortunate enough to join the nursing team in UCD’s veterinary hospital. The course equips its graduates with skills and knowledge to be valuable members of the veterinary team and advocates for their patients.”
Olivia Flanagan Graduate

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.
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.

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 2018 QS University Global Subject Rankings. 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. You will develop 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 includes 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 13 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 during first year.
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Agricultural Science

B AgrSc (Hons) [NFQ Level 8]

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 six 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 Agricultural Systems Technology**
- **DN250 Animal & Crop Production**
- **DN250 Animal Science**
- **DN250 Animal Science - Equine**
- **DN250 Food & Agribusiness Management**
- **DN250 Food Business with Chinese Studies**

Students interested in progressing to the Food Business with Chinese Studies degree must undertake one Chinese language module in semester one and transfer to the Food Business with Chinese Studies degree option by the end of semester one.

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 • 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
B AgrSc 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.
Studying UCD Agricultural Science

**Years 1**

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**Choose your pathway**

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**Subject Specific modules**

**BAgrSc [Honours]**

**Specialise through UCD graduate study**

- Taught & Research Master's
  - Agricultural Extension & Innovation
  - Animal 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

**Shape your career with UCD Agricultural Science**

- Nutricionist
- Teacher
- Accountant
- Farm Manager
- Horticulturist
- Geneticist
- Food Safety Inspector
- Quality Assurance Officer
- Agricultural Consultant
- Agricultural Inspector
- Data Analyst
- Scientist
- Researcher
- Principal Investigator
- Lecturer
- Professor
- Marketing Manager
- Journalist
- Business Manager
- Technical Sales Manager
- Communications Manager
- Banker, Stockbroker
- Technical Engineer
- Policy Analyst
- Production Manager
- Food Technologist
- Microbiologist
- 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](http://www.ucd.ie/agfood)
Agricultural Systems Technology

B AgrSc (Hons) (NFQ Level 8)

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 sector. With a focus on design, numeracy and technology, our students will be committed and engaged with farming and food production, 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 and Physics
- Mathematics
- Computer Programming
- Information Skills

**Second Year**
- Agricultural Engineering Principles
- Animal, Crop and Soil Science
- Applied Biostatistics
- Agricultural Microbiology
- Food Physics
- Food Macronutrients

**Third Year**
- Agricultural Mechanisation (engines, hydraulics, components and machinery systems)
- Sensors and Sensing Systems
- GIS and Remote Sensing
- Business Management
- Data Structures and Algorithms
- Numerical Methods for Agricultural Technology
- Professional Work Experience

**Fourth Year**
- Precision Agriculture (crops)
- Precision Livestock Management
- Optical Sensing Technology
- Databases and Information Systems
- Experimental Project
- Life Cycle Assessment
- 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
- Consulting
- Equipment manufacturing
- Agri-Tech.

Typical roles include technical and managerial positions in:

- Production
- Service provision
- 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.

“As a world leader in technologically advanced precision farming solutions, DairyMaster recognises the exciting potential of UCD’s new Agricultural Systems Technology degree, that will educate graduates with both the agriculture and data science skills essential for the future of the agri-food industry.”

Dr Edmond Harty
CEO and Technical Director DairyMaster
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
- Agricultural Botany
- 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:
- Lincoln University, New Zealand
- Kansas State University, USA
- Texas A&M University, USA
- Purdue University, USA
- Michigan State University, USA.

"My time in UCD afforded me countless opportunities to broaden my knowledge of animal science, gain practical skills through professional work experience and get involved in the UCD’s welcoming agricultural community.

The highlight of my college career was undoubtedly the Study Abroad programme which allowed me to study at Cornell University for a semester. The chance to attend an Ivy League University, take practical and specialised classes while touring farms across New York State was the opportunity of a lifetime.

The opportunities afforded to me during my time in UCD have provided me with the tools required to set out confidently on a career in the agricultural industry."
Aoife Leader Final Year Student
Animal Science

B AgrSc (Hons) [NFQ Level 8]

**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.
“Pursuing my degree in Animal Science—Equine at UCD has provided me with a strong science and agricultural base coupled with a great knowledge and understanding of the equine athlete. Lectures are delivered by researchers who are experts in their fields and passionate about their subject which results in engaging lectures and good class discussions.

In third year, we completed a six-month placement and I received the ASA/IFJ PWE scholarship towards my professional work experience at Coolmore, Kentucky USA. This placement was an opportunity of a lifetime that gave me an insight into the international thoroughbred business, breeding, and sales. My four years at UCD have been fantastic. It has exceeded all expectations and the friends and memories I have made will stay with me forever.”

Nicole Groyer  Final Year Student

Animal Science — Equine
B AgrSc (Hons) [NFQ Level 8]

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 164], 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, Japan, racing yards in Sydney, Australia, 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
- Texas 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.
Food & Agribusiness Management
B AgrSc (Hons) [NFQ Level 8]

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
- Economics
- Animal & Crop Sciences
- Biostatistics

Third Year
- Finance
- Food Chain Integrity
- Meat Science
- Econometrics
- Professional Work Experience

Fourth Year
- Enterprise Development & Strategy
- Agri-Environmental Economics & Policy
- Farm Business Management
- Communications
- Research project
- Agri-Taxation

Students spend an average of 40 hours a week attending lectures and tutorials, participating in laboratory-based practical classes and undertaking independent study.

A combination of end-of-semester written examinations and innovative 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;
- M AgrSc in Agricultural Extension and Innovation and MSc in 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:
- Cornell University, USA
- University of California, USA
- Kansas State University, USA
- University of Queensland, Australia
- 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.
According to Bord Bia (the Irish Food Board), Ireland exported an estimated €800 million of food and drink products to China in 2017. China is identified as the top export expansion target for key Irish food sectors, such as dairy, beef, pork, and seafood.

Why is this course for me?
The Food Business with Chinese Studies programme reflects the changing market landscape, and aims to develop graduates with the skills and talent urgently required by the Irish food industry. With Brexit and the uncertainty involving the UK market, export expansion to the emerging markets has critical strategic importance to the Irish food industry and the overall economy. The changing market landscape requires improved foreign language capability of Irish companies to facilitate access to new markets, and to help sustain and strengthen the modern agrifood and agribusiness companies.

What will I study?
The programme brings together the established expertise in the School of Agriculture & Food Science and UCD Institute for Chinese Studies. The core modules offered in the UCD School of Agriculture & Food Science (fundamental food science and food business management modules) combine systematically with Chinese modules offered by UCD Institute for Chinese Studies (language, cultural, and target market oriented courses).

First Year
Introduction to Food and Agribusiness Management • Agricultural Economics and Business • Mathematics • Chemistry • Biology • Physics • Chinese Language Experience • Elementary Written Chinese • Elementary Spoken Chinese

Second Year
Business Management • Business Law • Applied Economic Analysis • Financial Planning and Control • Soil Science • Intermediate Spoken Chinese 1 and 2 • Intermediate Written Chinese 1 and 2 • Option Modules

Third Year
Students will complete year three of their studies in China at one of UCD’s partner Universities, where you will take intermediate or advanced Chinese language courses and a range of interesting and relevant modules. There will be a limited number of language scholarship opportunities available on a competitive basis that will cover tuition fees and accommodation for either one or two semesters in China.

In addition to the benefit of a structured academic programme, students will also experience first hand the diverse culture of China and the vibrant economic growth that the second largest economy in the world has to offer. Living and studying in a different cultural environment will provide students with an eye-opening and life changing experience that will also help you make friends and develop networks across the globe.

Fourth Year
Food and Agricultural Strategy • International Food Marketing • Agricultural Policy • Enterprise Development • Advanced Chinese 1 and 2 • Chinese Economy • Doing Business in China • Option modules

Career and Graduate Study Opportunities
As the agri-food sector becomes more knowledge intensive, education and skills development are even more critical for career success. This programme incorporates Chinese language and cultural components into the business skills and fundamental science required for managerial and professional careers in the agri-food sectors. These elements, combined with an emphasis on learning to think analytically, result in a programme that equips students with the knowledge and skills necessary for professional decision-making in agri-food business sectors in the global market, with particular reference to China.

CAO Code DN250

CAO Points Range 2017 454—589
Length of Course 4 Years
DN250 Places 175

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
06/H7 in English, Irish, Mathematics, a laboratory science subject and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions

Level 5/6 QQI-FET
See www.ucd.ie/FET

Level 6/7 Progression Routes
See www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Please Note:
Students interested in progressing to the Food Business with Chinese Studies degree option must undertake one Chinese language module in semester one and transfer to the Food Business with Chinese Studies degree option by the end of semester one.

Other courses of interest

Agricultural Science →160
Food and Agribusiness Management →166
Dairy Business →168
Horticulture, Landscape and Sportsurf Management →173
Food Science →170
Dairy Business
B AgrSc (Hons) (NFQ Level 8)

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.

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 19 January, 2016, and is an excellent resource for Dairy Business students.
"My passion for science, nature and the environment led me to Agri-Environmental Science. Studying Agri-Environmental Sciences in UCD has broadened my perspective on agriculture in Ireland and made me think of possible changes we could make to improve such a huge environmentally impacting industry. Specific course modules are so varied, covering content from microbiology, soil science, nutrient management and entomology. If you are naturally curious and interested in how we can make farming more sustainable for future generations, this course is for you. With environmental sustainability becoming a major focus worldwide, I believe Agri-Environmental Sciences is an excellent area to be involved with."

Aisling Moffat Final Year Student

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 to farming and land-use industries, as either a scientist, advisor, consultant, 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

Third & Fourth Year
Focus on the environmental impacts of agriculture while you learn practical field and lab based skills e.g. landscape analysis using GIS. You will also become familiar with national and international policies, schemes and practices to protect rural environments. In fourth year, you complete advanced modules in environmental management, rural conservation and sustainable agriculture, and you conduct 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 advisors, planners or 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 • Lincoln University, NZ.

CAO Code DN253

CAO Points Range 2017: 408—487
Length of Course: 4 Years
Places: 26

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements: 0B/H7 in English, Irish, Mathematics, a laboratory science subject and two other recognised subjects

Other school leaving examinations:
See www.ucd.ie/admissions

Level 5/6 QFI-FET:
See www.ucd.ie/FET

Level 6/7 Progression Routes:
See www.ucd.ie/transfer

Mature Entry Route:
See www.ucd.ie/maturestudents

Other courses of interest:
Agricultural Science →160
Forestry →172
Horticulture, Landscape & Sportsturf Management →173
Animal & Crop Production →183
City Planning and Environmental Policy →179

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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 and 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 programmes 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
- Human Nutrition
- Food & Agribusiness Management
- Food Business with Chinese Studies

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
O6/H7 in English, Irish, Mathematics, a laboratory science subject and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
See www.ucd.ie/FET
Level 6/7 Progression Routes
See www.ucd.ie/transfer
Mature Entry Route
See www.ucd.ie/maturestudents

Food Science
BSc [Hons] (NFQ Level 8)

UCD Agriculture & Food Science Programme Office
Agriculture & Food Science Centre
Belfield, Dublin 4

www.ucd.ie/myucd/ag

@UCDAgFood YouTube/ucdagfood
"As an ex-chef, I have always had a passion for food. Studying Human Nutrition was the best decision I have ever made. The level of teaching and help from the lecturers in this programme has been outstanding throughout the duration of my degree. Human Nutrition has so much to offer, including the opportunity to study a range of evolving sciences that are becoming ever more inter-related with nutrition. Having this level of choice has opened the doors to a wide variety of fantastic career paths.  
There is a great buzz all year and there is always some event happening. From here, I hope to complete a MSc in Food Business Strategy in UCD Smurfit and work with leaders of the food industry."

Tim White  
Final Year Student

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.

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.
Forestry
B AgrSc (Hons) (NFQ Level 8)

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
Forest Inventory • Forest Management Plan • 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 four months’ PWE and are encouraged to experience both Irish forestry and forestry in a foreign country.

Professional work experience in Stage 3 allows for immeasurable exposure to the industry and may influence your desired career path upon graduating. During my work placement, I gained substantial experience in Geographic Information Systems (GIS) which encouraged me to pursue and secure employment in this area. Forestry positions such as this offer a favourable mix of field and office based work, something that other industries cannot.”

Damien Maher Final Year Student

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“This broad course suited my interest in both the horticulture and sportsturf industry. My best experience from UCD was getting the opportunity to travel to Canada for my professional work experience where I assisted in a million-dollar project constructing six new holes on an exclusive golf course, with TDI International. I also assisted in soccer pitch development and construction and green space development. It was something I would have never imagined I would have done before I came to UCD. It took me out of my comfort zone and great job opportunities and contacts were developed. I have successfully secured a place for a master’s degree at UCD where I will continue my education.”

Niamh Flannelly Final Year Student

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 & Post Harvest 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.
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 has also most recently secured the Substantial Equivalency 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 nationally and internationally, including the 2018 Venice Biennale Architectural Curators, adjunct professors, Yvonne Farrell and Shelly McNamara.

Why UCD Architecture/Landscape Architecture?

Why UCD Planning & Environmental Policy?

The UCD planning school is the oldest, largest and most respected planning and environmental policy school in Ireland. Most planners currently employed in Ireland were educated in the School. This career-orientated programme gives you the skills to envisage and enable real world change. The School enjoys strong relationships with both the Royal Town Planning Institute (RTPI) and the Irish Planning Institute (IPI).

Planning and environmental policy involves understanding the world around us and building on such knowledge to create a better world. The Bachelor’s in City Planning & Environmental Policy is an employment focused degree, so if you are considering a career as a professionally qualified planner, urban designer or environmental policy analyst this is the degree for you.

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

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 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.

Your First Year Experience

On entering first year, you will be introduced to a host of new ideas and concepts. Building your knowledge and skills throughout the first year of the programme, you will progressively gain insight into the complexity of our taken-for-granted world and how we can constructively respond to the challenges we face. A small class size and the interactive learning environment ensures an enjoyable experience that stimulates creativity and ownership of your career path.
Studying UCD Architecture

Engage with the principles

Architectural Design — Studio-based learning

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<tr>
<td>Architectural Technologies</td>
</tr>
<tr>
<td>The Engineering and Architecture of Structures</td>
</tr>
<tr>
<td>Into Practice</td>
</tr>
</tbody>
</table>

Refine your knowledge

Architectural Design — Studio-based learning

<table>
<thead>
<tr>
<th>Years 2 &amp; 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>History &amp; Theory of the Designed Environment</td>
</tr>
<tr>
<td>The Indoor Environment</td>
</tr>
<tr>
<td>Architectural Technologies</td>
</tr>
<tr>
<td>Theory &amp; Design of Structures</td>
</tr>
<tr>
<td>Imagining Architecture</td>
</tr>
<tr>
<td>Framework for Practice</td>
</tr>
</tbody>
</table>

BSc [Architectural Science] (Honours)

Optional Year Out – Experience the world of work

<table>
<thead>
<tr>
<th>Years 4 &amp; 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Technologies</td>
</tr>
<tr>
<td>Research &amp; Innovation in the Designed Environment</td>
</tr>
<tr>
<td>Professional Studies</td>
</tr>
<tr>
<td>International study abroad options</td>
</tr>
<tr>
<td>Architectural Design</td>
</tr>
<tr>
<td>Research Dissertation</td>
</tr>
<tr>
<td>Reflective Portfolio</td>
</tr>
<tr>
<td>Master’s Design Thesis</td>
</tr>
</tbody>
</table>

Specialise through UCD graduate study

Diploma in Professional Practice

Shape your career with UCD Architecture

Professional Architect

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.
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

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:
- Urban Design (research)
- Conservation & Heritage (research)
- Regional and Urban Planning (taught)
- Urban Design & Planning (taught)
- Irish and European Landscape & Urbanisation (research)
- History & Theory of Architecture (PhD)

International Study Opportunities
Opportunities to date have included:
- University of Sydney, Australia
- Kungl Tekniska Hogskolan Stockholm, Sweden
- University of British Columbia, Vancouver, Canada
- National University of Singapore
- Technische Universität München, Germany
- University of California, Berkeley, USA.

Other courses of interest
Landscape Architecture → 178
Structural Engineering with Architecture → 189
City Planning & Environmental Policy → 179

Key fact
We are the only college in Ireland with professional accreditation/substantial equivalency from RIAI, RIBA & NAAB.
### Studying UCD Landscape Architecture

#### Year 1
**Engage with the Principles**
- Landscape Architectural Design – Studio-based Learning
- The Rural and the Urban Landscape

<table>
<thead>
<tr>
<th>Understanding Landscape</th>
<th>Land Use &amp; Environment</th>
<th>Landscape &amp; Plants</th>
<th>Landscape Architectural Technologies</th>
<th>Planning</th>
<th>Biology</th>
<th>Archaeology</th>
</tr>
</thead>
</table>

#### Year 2 & 3
**Expand Your Knowledge**
- Landscape Architectural Design – Studio-based Learning
- Landscape & Architecture - Landscape Architectural Thesis

<table>
<thead>
<tr>
<th>Private &amp; Communal Spaces - Green Infrastructure</th>
<th>Materials &amp; Construction - Internship /Study Abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscape Theory &amp; History</td>
<td>Landscape Ecology</td>
</tr>
<tr>
<td>Place Making</td>
<td>Landscape Architectural Technologies</td>
</tr>
<tr>
<td>Botany</td>
<td>Forestry</td>
</tr>
<tr>
<td>Architecture</td>
<td></td>
</tr>
</tbody>
</table>

#### Year 4
**Deepen Your Understanding**
- Landscape Architectural Design – Studio-based Learning
- Landscape Architecture - Landscape Architectural Thesis

<table>
<thead>
<tr>
<th>Landscape Planning</th>
<th>Landscape Research</th>
<th>Landscape &amp; Profession</th>
<th>Landscape Architectural Technologies</th>
<th>Geography</th>
<th>Psychology</th>
<th>Urban Design</th>
</tr>
</thead>
</table>

### Studying UCD City Planning & Environmental Policy

#### Year 1
**Expand Your Knowledge**
- Planning
- Environmental Policy
- Design

<table>
<thead>
<tr>
<th>Planning</th>
<th>Environmental Policy</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning &amp; Development Studio</td>
<td>Environmental Change &amp; Policy</td>
<td>Urban Design</td>
</tr>
<tr>
<td>Introduction to Spatial Planning</td>
<td>Introduction to Environmental Policy</td>
<td>History of City Planning</td>
</tr>
</tbody>
</table>

#### Years 2 & 3
**Deepen Your Understanding**
- Community Development
- Smart Cities
- GIS
- Rural and Landscape Planning
- Environmental Management
- Place-Making
- Transportation
- Environmental Innovation
- Field Study Visits
- Planning, Society & Diversity
- Achieving the Sustainable Development Goals
- Local Area Planning

#### Year 4
**Shape Your Career**
- Masters in Regional & Urban Planning (MRUP)
- Masters in Environmental Policy (MSc)
- Masters in Urban Design & Planning (MSc)

Continue to develop your professional career with UCD...
Landscape Architecture

BSc (Hons) (NFQ Level 8)

UCD Landscape Architecture

CAO Code DN120

<table>
<thead>
<tr>
<th><strong>CAO Points Range 2017</strong></th>
<th>348—452</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length of Course</strong></td>
<td>4 Years</td>
</tr>
<tr>
<td><strong>Places</strong></td>
<td>25</td>
</tr>
</tbody>
</table>

For general entry requirements, see pages 190–196

Leaving Cert Subject Entry Requirements

| Level 5/6 QQI-FET | None |

Other school leaving examinations

| See www.ucd.ie/admissions |

Mature Entry Route

| See www.ucd.ie/maturestudents |

**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).

**Key Fact**

In year 3 students have the opportunity to undertake an optional 6–8 month internship as part of their degree.

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. In your third year you will also gain professional experience interning in a landscape related company / institution. 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
- Materials & Construction
- Aesthetics, Drawing and Landscape Representation
- Placemaking

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 fourth 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 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). A number of Master’s programmes 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.

Other courses of interest

| Architecture | 176 |
| City Planning & Environmental Policy | 179 |
| Forestry | 172 |
| Horticulture, Landscape & Sportsturf Management | 173 |

www.ucd.ie/myucd/arch

UCD Engineering & Architecture Programme Office
Engineering & Materials Science Centre, Belfield, Dublin 4

eng.arch@ucd.ie
+353 1 716 1868
facebook.com/UCDEngArch

"I found Landscape architecture at UCD perfectly combines environmental & ecological studies, technical & technological approaches within a creative design studio. The close-knit nature of our studios allows for strong bonds to be created between students and staff. The panel of diverse and multidisciplinary staff have always tried their best to encourage, support and guide me in the right direction both academically and professionally. Not only did Landscape Architecture at UCD offer a solid foundation of knowledge and skills for my future career but also presented many once in a lifetime opportunities such as representing UCD on the global stage in EU led programs and entering international design competitions.”

Yousra Aljohmani Student
"I chose to study planning because I always had an interest in maps, geography and how places had developed. The course is very practical and involves a lot of studio work, fieldtrips, and guest lectures from practicing planners, most of whom have come through the course themselves. With the current housing shortage and improvements in the economy, there’s a huge demand for planners right now, and plenty of opportunities for employment and internships. Last summer, I worked as a transport planner in the National Transport Authority, where I was involved in planning bus services across many towns in Ireland.”
Roy Harford Student

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 City Planning & Environmental Policy 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 sets these in a practical policy context.

A degree in City Planning & Environmental Policy provides you with strong analytical skills, as well as the ability to think critically about 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 City Planning & Environmental Policy includes modules in:

First Year
- Introduction to Spatial Planning
- Environmental Change & Policy
- History of City Planning
- Urban Design

Second Year
- Local & Community Planning
- Geographical Information Systems
- Smart Cities
- Urban & Regional Economics

Third Year
- Urban & Rural Design
- Transport Planning
- Housing & Neighbourhood Planning
- Rural Landscape Planning
- Environmental Management

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 exchange opportunities present an exciting range of choices for you to study abroad for a semester or a full year, these include:
- 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
Career prospects for qualified planners are very positive. Recent careers days organised in the School have witnessed employers networking with our students in seeking future graduates for employment.

Other courses of interest
Geography
Architecture
Landscape Architecture
Civil Engineering
Agri-Environmental Sciences

www.ucd.ie/myucd/arch
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 offerings in areas such as Biomedical Engineering, Structural Engineering with Architecture and Optical Engineering.
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. We also pride ourselves on being research intensive and our curricula engages students in a culture of academic excellence and inquiry. 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, mathematics and computing, as well as gaining exposure to engineering subjects such as mechanics, energy engineering, creativity in design and electronic or electrical engineering.

Throughout the 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 at the end of first year.
Engineering

BSc (Engineering Science) (NFQ Level 8)
leading to ME (NFQ Level 8)
or BE (Hons) (NFQ Level 8)

CAO Code DN150

CAO Points Range 2017 489 — 625
Length of Course 3 Years (BSc) (Hons)
+ 2 Years (ME) or 4 Years (BE)
DN150 Places 260

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
• H4 in Mathematics
• H6 in a laboratory science and
• 06/07 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET None
Level 6/7 Progression Routes
See www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

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 Master’s 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 ‘Studying UCD Engineering’ diagram. You can choose a Bachelor of Engineering Science, BSc [3 years], a Bachelor of Engineering, BE [4 years] or a Master of Engineering, 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:

- Business
- Design
- Education
- Energy/clean technology
- Environment
- Food
- Healthcare
- Information and communications technology
- Infrastructure
- Research

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 & Bioprocess Engineering
- Civil, Structural & Environmental Engineering
- Electrical Energy Engineering
- Electronic & Computer Engineering
- Engineering with Business
- Energy Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Optical 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.
### Studying UCD Engineering

#### Explore your options

<table>
<thead>
<tr>
<th>Physics</th>
<th>Chemistry</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical/Electronic</td>
<td>Creativity in Design</td>
<td></td>
</tr>
</tbody>
</table>

These core modules are supplemented by a range of Options and Elective choices that will enable you to develop within your chosen specialisation and areas of interest.

#### Choose your pathway

| Biomedical | Chemical & Bioprocess | Civil | Electrical/Electronic | Mechanical | Structural Engineering with Architecture |

Optional Study Abroad

#### Focus on your area(s) of specialisation

**BE (4 years)**
- Bachelor of Engineering
- Biomedical
- Chemical & Bioprocess
- Chemical with Biocatalysis Minor
- Civil
- Electrical
- Electronic
- Mechanical

**ME (5 years)**
- Master of Engineering
- **Biosystems & Food Engineering**
- Biomedical
- Chemical & Bioprocess
- Civil, Structural & Environmental
- Electrical Energy
- Electronic & Computer
- Energy Systems
- Engineering with Business
- Materials Science & Engineering
- Mechanical
- Mechanical
- Optical Engineering
- 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
  - Materials Science & Engineering
  - Structural Engineering
  - Sustainable Energy & Green Technologies
  - Water, Waste & Environmental Engineering
  - Biomedical
  - Chemical & Bioprocess
  - Civil
  - Electrical
  - Electronic
  - Mechanical

**Shape your career with UCD Engineering**
- Professional Engineer in your chosen discipline with careers in:
  - Business & Media
  - Construction
  - Design
  - Education
  - Environment
  - Energy
  - Engineering
  - Finance
  - Food
  - Healthcare
  - Information & Communications Technology (ICT)
  - Management
  - Manufacturing
  - Pharmaceuticals
  - Research & Academia

**Doctor of Philosophy (PhD) Engineering**

**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 2017 489 — 625
Length of Course 3 Years [BSc] [Hons]
+ 2 Years [ME] or 4 Years [BE]
DN150 Places 260

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
+ H4 in Mathematics
+ H6 in a laboratory science and
+ O6/H7 in English, Irish and two other
recognised subjects

Level 5/6 QQI-FET
None

Level 6/7 Progression Routes
See www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

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?
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/
computer 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:
Chemistry • Creativity in Design • Electrical/
Electronic Engineering • Energy Engineering •
Engineering Computing • Mathematics •
Mechanics • Physics.

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.

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 employers:
Alexion, BD Medical, Boston Scientific, DePuy
Synthes, Medtronic, Nypro, and ResMed.

“As an avid science fiction fan, I have always
been interested in developing technology
inspired by the genre. Engineering in UCD is
extremely flexible and allowed me to follow
the areas that interested me most. The degree
programme is 5-years; structured as a 3-year
BSc and a 2-year ME degree. I was passionate
about developing electronics which interface
with our body’s neuromuscular system and so
I completed the Electronic engineering stream
for my BSc, before moving into the Biomedical
engineering stream for my ME. I am now a
PhD researcher at the UCD Neuromuscular
Systems lab where I research deep brain
stimulation algorithms for Parkinson’s
disease. My experience throughout the
5-year programme has been invaluable to my
research today.”

John Fleming PhD student

Other courses of interest
Engineering • Electrical/Electronic Engineering • Mechanical Engineering • Medicine
Why is this course for me?
Chemical & Bioprocess Engineering (CBE) deals with 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

Second to Fifth Year

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, culminating in the submission of advanced research and design projects.

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, Santa Barbara, USA
- University of Connecticut, USA
- ENSIACET, Toulouse, France
- McGill University, Canada.

Professional Work Experience (PWE)
PWE is incorporated in the ME Chemical & Bioprocess Engineering programme. Six- to eight-month internships (the majority of which are paid) have included the following employers: AbbVie, Alexion, APC, BMS, GSK, Irving Oil, Jacobs, Lilly, MSD, Pfizer and PM Group.

Other courses of interest
Engineering → 182
Biomedical Engineering → 184
Chemistry → 112
Chemistry with Biophysical Chemistry → 113

At the end of Year 2, students can choose either the BE in Chemical & Bioprocess Engineering or the BE in Chemical Engineering with Biochemical Engineering Minor. Both can lead to the ME in Chemical & Bioprocess Engineering.

CAO Code DN150
CAO Points Range 2017 489 — 625
Length of Course 4 Year (BE) + 1 Year (ME)
DN150 Places 260

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
- H4 in Mathematics
- H6 in a laboratory science and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
None
Level 6/7 Progression Routes
See www.ucd.ie/transfer
Mature Entry Route
See www.ucd.ie/maturestudents
Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology
Civil Engineering

BSc [Engineering Science] (NFQ Level 8) leading to ME [NFQ Level 9]
or BE (Hons) (NFQ Level 8)

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.

Career & Graduate Study Opportunities
Graduates can apply for positions in PhD research programmes. 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. Eight-month internships (the majority of which are paid) have included the following employers: AECOM, Arup, ESB, Malone & O’Regan, O’Connor Sutton Cronin, Roughan & O’Donovan, and RPS Group.

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.

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.

Other courses of interest
Engineering →182
Mechanical Engineering →188
Structural Engineering with Architecture →189
Landscape Architecture →178

www.ucd.ie/myucd/eng

UCD Engineering & Architecture Programme Office
Engineering and Materials Science Centre, Belfield, Dublin 4
eng.arch@ucd.ie
+353 1 716 1868
facebook.com/UCDEngArch
“I was originally attracted to UCD Engineering due to its national and international standing, as well as the many engineering disciplines the school offers. I chose to specialise in Electronic and Electrical Engineering for my bachelor’s and later went on to further specialise in Electrical Energy Engineering for my master’s degree, from which I graduated in 2018. My 5 years at UCD has been an amazing journey, in which I have learned about the exciting technologies that shape the electrical grid and energy industry, and the cutting-edge research that will power our future power systems. This allowed me the opportunity to conduct exciting research for my master’s thesis, which has led to a job as an Electrical Markets Engineer with the National Renewable Energy Laboratory in the United States.”

Daniel Levy Graduate

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:
• Chemistry • Creativity in Design • Electrical/ Electronic Engineering • Energy Engineering • Engineering Computing • Mathematics • Mechanics • Physics.

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 • Radio-frequency 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, ME in Engineering with Business or ME in Optical Engineering.

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 into the ME programmes. Six- to eight-month internships (the majority of which are paid) have included the following employers: Accenture, Analog Devices, Eirtech Robotics, EirGrid, ESB, Intel, Mainstream Renewable Power, Workday, and Xilinx.

CAO Code DN150

CAO Points Range 2017 489 — 625
Length of Course 3 Years [BSc] (Hons)
+ 2 Years (ME) or 4 Years (BE)
DN150 Places 260

For general entry requirements, see pages 190-196
Leaving Cert Subject Entry Requirements
• H4 in Mathematics
• H6 in a laboratory science and
• O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admissions
Level 5/6 QQI-FET
None

Level 5/7 Progression Routes
See www.ucd.ie/transfer
Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

Other courses of interest
Engineering
Biomedical Engineering
Computer Science

www.ucd.ie/myucd/eng

UCD Engineering & Architecture Programme Office
Engineering and Materials Science Centre, Belfield, Dublin 4
eng.arch@ucd.ie
+353 1 716 1868
facebook.com/UCDEngArch
Mechanical Engineering

BSc (Engineering Science) (NFQ Level 8) leading to ME (NFQ Level 9) or BE (Hons) (NFQ Level 8)

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, biomeedicine 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


Second to Fifth Year


A student's week includes attending lectures and tutorials, as well as participating in laboratory-based workshops and undertaking independent study.

Other courses of interest

Engineering →182
Biomedical Engineering →184
Agricultural Systems Technology →182

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 employers: AbbVie, Accenture, Boston Scientific, Fingleton White, Glen Dimplex, Henkel, Hilti, Jacobs Engineering, Jaguar Land Rover, and Nypro.

“I always dreamt of a career in motorsport and now, thanks to UCD, I am living my dream! My mechanical engineering degree at UCD was a fantastic springboard for a career in F1 car design. The course offered a wide and varied selection of classes. I especially liked the materials & design modules. I now apply everything I learned at UCD in designing carbon fibre parts as a senior composite designer for Force India F1 Team. Throughout my years as a student, the staff at UCD provided support and encouragement that really helped me in my professional journey.”

Sósanna Ní Dhúbháin Graduate

For general entry requirements, see pages 190-196

Leaving Cert Subject Entry Requirements
- H4 in Mathematics
- H6 in a laboratory science and
- O6/H7 in English, Irish and two other recognised subjects

Other school leaving examinations
See www.ucd.ie/admission

Level 5/6 QQI-FET
None

Level 6/7 Progression Routes
See www.ucd.ie/transfer

Mature Entry Route
See www.ucd.ie/maturestudents

Special Entry Recommendations
It is recommended that the Laboratory Science subject should be one of Chemistry, Physics or Biology

www.ucd.ie/myucd/eng
"I chose to study Structural Engineering with Architecture because the course seemed like a perfect balance of problem solving, creativity and design. What really sets this course apart is that the school recognizes the importance of developing areas such as leadership, team work, innovation, economics and communication. The 8-month work placement in 4th year was a highlight for me, this placement gave me the opportunity to apply what I had learned in UCD to real life problems and get exposure to potential employers. After graduating UCD, I was delighted to be offered a job with ARUP, a multi-national leading engineering design firm, where I have had the opportunity to watch my work take shape in the built environment.

Caitlin McDonnell Graduate

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

Second Year

Third Year

Fourth Year
Taught modules in semester one are typically followed by an eight-month work placement.

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. Eight-month internships (the majority of which are paid) have included the following employers: Arup, Meinhardt (London), DBA Consulting Engineers, O’Connor Sutton Cronin, Thornton Tomasetti (New York), and Waterman Moylan.

After graduating UCD, I was delighted to be offered a job with ARUP, a multi-national leading engineering design firm, where I have had the opportunity to watch my work take shape in the built environment.

UCD Engineering & Architecture Programme Office
Engineering and Materials Science Centre, Belfield, Dublin 4
eng.arch@ucd.ie +353 1 716 1868 facebook.com/UCDEngArch
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/lc](http://www.ucd.ie/lc) 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 QQI-FET entry.**
Is there an age requirement?
Yes. You must be 17 years of age by 15 January following entry. For entry in 2019 your date of birth must be on or before 15 January 2003. 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/admissions.

Is Irish always required?
A pass in Irish (D6/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/admissions 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 (D6/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/registration/admissions.

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 Veterinary Medicine (DN300) are required to complete two weeks practical experience relevant to animal handling. For more information see: www.ucd.ie/registry/admissions/vet.html.
- In some cases mature applicants will need to take M3AP- Ireland. For graduate entry to Medicine or Veterinary Medicine GMAT is required. See the Mature and Graduate Entry sections on page 194 for details.

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), Nursing & Midwifery (DN450, DN451, DN452, DN453) and 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/registration/admissions/healthscreen.html.

Student Garda Vetting
Applicants to certain courses will also be required to complete an application to the National Vetting Bureau and/or an 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), Nursing & Midwifery (DN450, DN451, DN452, DN453) and Sports and Exercise Management (DN430). Details are available at www.ucd.ie/vetting.

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/admissions/policies.html.

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 D6/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. 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.

Leaving Certificate points are not awarded for either of these subjects.

Applications presenting Leaving Certificate results from previous years, 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.

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.

<table>
<thead>
<tr>
<th>%</th>
<th>Grade</th>
<th>Points Higher Paper</th>
<th>Points Ordinary Paper</th>
</tr>
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<tbody>
<tr>
<td>90-100</td>
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<td>100</td>
<td>56</td>
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<td>80-89</td>
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<td>46</td>
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<td>70-79</td>
<td>3</td>
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</tr>
<tr>
<td>30-39</td>
<td>7</td>
<td>37</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 2019, 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/registry/admissions/DN400_HPAT.html.
Applying to UCD

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 higher at A-Level. Subjects must include relevant UCD course entry requirements. See www.ucd.ie/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 O2 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. For most recent information see: www.ucd.ie/registry/admissions/alevel.html.

Indicative points equivalence

Indicative equivalence of A and AS-level examination grades with Irish Leaving Certificate points will operate for entry. The comparison table can be viewed at: www.ucd.ie/alevel.

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.
- An applicant’s score will be calculated on the basis of either of the following: their best 4 A-level subjects from one academic year or their best 3 A-level subjects from one academic year plus one AS in a different subject from the same or the preceding academic year only.
- In 2019, 25 additional points will be awarded for a grade E or higher in Mathematics at A-level. This will apply to only ONE mathematics subject of Mathematics, Further Mathematics and Pure Mathematics, 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.

www.ucd.ie/myucd/apply
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 2019, your date of birth must be on or before 1 January, 1996.

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.

Some programmes require specific tests (e.g. MSAP and HPAT) or personal statements. Please see www.ucd.ie/maturestudents for details of what is required for programmes.

For most of our programmes the closing date is 1 February 2019. Some courses may accept late applications up to 1 May 2019 but this is subject to the availability of places.

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.

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
For assistance with the application process, you can email mature.students@ucd.ie or call 01 716 1608.

Higher Education Access Route (HEAR)
The Higher Education Access Route (HEAR) scheme 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, 2019, and who are resident in the Republic of Ireland may apply to HEAR.

More information on HEAR is available from your school guidance counsellor of the UCD Access & Lifelong Learning. Information can also be found on www.accesscollege.ie, www.cao.ie and www.ucd.ie/all.

University Access Courses
UCD offers part-time access courses, which prepare adults for third level study. University Access is available to Arts, Humanities, Social Sciences, Law, Science, Engineering and Agricultural Sciences.

For more information, contact UCD Access & Lifelong Learning: Call +353 1 716 7584 or visit www.ucd.ie/all/study.

Open Learning
Over 200 modules across 25 subjects are available for adult learners who wish to study on a part-time basis. Each module carries 5 ECTS credits. Modules can be taken for credit or audit. Students may combine modules to receive a certificate or diploma award. There are no formal entry requirements.

For further information visit www.ucd.ie/all/study or call +353 1 716 7123.

QQI-FET Applicants
Applicants with appropriate QQI-FET (Level 5 or 6) qualifications and modules, with a minimum of distinction in five modules, can be admitted on a competitive basis to programmes in: Science, Agriculture, Veterinary Nursing, Nursing, Arts and Humanities, Social Sciences, Law and Commerce. Please see www.ucd.ie/fet for full details and information on other programmes under consideration.

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. www.ucd.ie/grad_entry

Note
For the graduate entry routes to Medicine and Veterinary Medicine, a separate application for GAMSAT is also required. The CAO closing date is 1 February, 2019.

Further information is available at http://gamsat.acer.edu.au/.

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 2019) 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 QQI-FET students have different admissions routes – please see relevant sections on page 15.

Conditions of a DARE Offer
Students who receive a DARE offer must register with the UCD Access & Lifelong Learning 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 & Lifelong Learning Centre. Information can also be found on: www.accesscollege.ie, www.cao.ie and www.ucd.ie/all.
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 QQI-FET – apply via the Central Applications Office (CAO). Applications can be made online at www.cao.ie. The normal closing date is 1 February, 2019. However, there is a reduced application fee for applications made prior to 20 January, 2019.

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, 2019, 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)
- DN300 Veterinary Medicine

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/admissions 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/transfer. The website also has full details of the transfer regulations.
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 2019 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 a 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 do I need for Graduate Entry Medicine?

You must send CAO an original of your transcript and proof of award (either date of conferring stated clearly on the transcript or a certified copy of the parchment). Please see the Graduate Entry Medicine section on www.cao.ie for further details.

GAMSAT results are valid for two years.

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 9 September, 2019. However, there are also compulsory orientation events for first-year students in the previous week and you should expect to be on campus from 3 September, 2019.

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 191.

It is important to note that Healthcare Screening and Student Vetting are compulsory course requirements. See: www.ucd.ie/vetting

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/registry/admissions/deferral.html 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 13.

What happens if I get an amended result?

For early amendments, we endeavour to offer all such applicants a place for the current year but we cannot guarantee that you would be permitted to enter this year. Possible entry this year will depend on when the upgrade is received and if places are available in the programme. If we are unable to offer this a deferred place will be given.

However we do not make offers after 30 September, as the Academic Year starts in early September. This means that for the amendments received in October, eligible applicants can only be given a deferred place for the following year.

For full list of FAQs please see:

www.ucd.ie/registry/admissions/faqs.html
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Alternative Admissions Pathways → 15, 194
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Biochemistry & Molecular Biology → 101
Biology, Mathematics & Education → 111
Biomedical Engineering → 184
Biomedical, Health & Life Sciences → 136
Business → 91
Business & Law → 89
Business Studies → 96
Campus Visits → 7
CAD Information Evening → 7
Career Development Centre → 18
Career Fairs → 7
Cell & Molecular Biology → 102
Celtic Civilisation → 102
Celtic Studies, Art History & History → 45
Chaplaincy Service → 22
Chemical & Bioprocess Engineering → 185
Chemistry → 112
Chemistry, Mathematics & Education → 116
Chemistry with Biophysical Chemistry → 113
Chemistry with Environmental & Sustainable Chemistry → 114
Civil Engineering → 186
Classics [Greek & Roman Civilisation, Latin, Greek] → 31
Classics, Art History & Archaeology → 46
Classics, English & History → 47
Commerce → 92
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International Study Opportunities → 8
Internships → 19
Irish/Gaeilge → 38
Irish Folklore → 39
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Irish Language Exemption → 191
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, 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 via the city centre and south to Greystones via Blackrock and Bray. 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. 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, 46B, 46N, 47, 51x, 66x, 67x, 77x, 84N, 84x, 116, 118, 142*, 145

UCD also has over 4,000 bicycle parking stands – please use www.journeyplanner.ie to plan your journey to or from UCD using public transport, bicycle or on foot. Students holding a Student Leap Card can save money on their transport costs [bus, DART, LUAS and train]. UCD students can apply for this on campus or online at www.studentleapcard.ie.

For motorists, UCD operates a paid permit parking system during term. Parking spaces are very limited and are available on a first come, first served basis. Students who live on campus in UCD Residences are not entitled to purchase a parking permit.
Open Day*

*The O’Reilly Hall hosts the Undergraduate UCD Open Day on Saturday 3rd November 2018

Traffic Times:
Please note the following times below for traffic restrictions:
07.00 – 10.30 Mon – Fri
16.00 – 19.30 Mon – Fri

UCD Main Entrance (N11)

Map of UCD Campus
Important Dates for Applicants

Circa 6 November 2018*
CAO applications for 2019 open

3 November 2018
UCD Open Day

20 January 2019
- Final date for CAO online discounted application fee of €25*
- Normal closing date for HPAT registration*

1 February 2019
- Normal CAO closing date at application fee of €40*
- Final date for CAO application for restricted application courses and for application on grounds of mature years for many courses
- Normal closing date for GAMSAT registration*
- Late closing date for HPAT registration*

Circa 3 February 2019*
Exceptional late closing date for HPAT registration

Circa 3 February 2019*
Normal closing date for MSAP registration

11 February 2019*
Late closing date for GAMSAT registration

Circa 17 February 2019*
Late closing date for MSAP registration

23 February 2019*: HPAT Test

9 March 2019*: MSAP Test
www.ucd.ie/maturestudents

23 March 2019*: GAMSAT Test

1 May 2019: CAO late closing date

Circa 5 May 2019*
CAO Change of Mind opens

1 July 2019
Closing date for CAO change of mind
Closing date for transfer applications and most non-EU applications (via www.ucd.ie/apply)

Early July 2019
Round of offers for mature students and deferrals

Early August 2019
Round of offers for mature students, Graduate Entry Medicine and FETAC offers

19 August 2019*
CAO First Round Offers

23 August 2019*
Reply date for CAO First Round Offers

3 September 2019:
Orientation Week

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/admissions

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 University
Access courses and Open Learning, please
contact the following
Email: all@ucd.ie
Web: www.ucd.ie/openingworlds

For students with a disability, contact
Email: disability@ucd.ie

*Please note that the examination and registration
dates, as well as the CAO application fees and offer dates
listed above, are provisional at the time of going to print.
Please check the websites for the relevant organisations
(www.cao.ie, www.hpat-ireland.acer.edu.au,
www.gamsat-ie.org, msap-ie.acer.edu.au). A more
detailed list of useful dates is available at www.ucd.ie/
registry/admissions/dates.html.
For further information on your application please contact us. We will be happy to deal with your enquiry or direct you to the best person to answer your questions.