



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

# INSPIRING GENERATIONS

UNDERGRADUATE PROSPECTUS 2020



# Welcome to Trinity

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## Provost's Welcome

**Trinity College Dublin, the University of Dublin is a leading European research university, and Ireland's highest ranked, with a global reputation for excellence in teaching, research and innovation.**

The university of Edmund Burke, Samuel Beckett, Eavan Boland and Mary Robinson and of Nobel Prizewinners physicist Ernest Walton and biologist William Campbell, Trinity has been the beating heart of Ireland for over four centuries.

Celebration of diversity has always been a hallmark and today we welcome staff and students from over 120 countries, and we have deep collaborations with universities and industry partners across six continents. We promote a diverse, interdisciplinary, inclusive environment which nurtures ground-breaking research across all the major disciplines in arts, humanities and social sciences, engineering, mathematics, science and health sciences.

At the heart of our mission is our ambition to inspire students with a love of learning, a hunger for discovery and creativity, and a desire to make a difference in the world. The 'Trinity Student Experience' is a chance of a lifetime for personal development in the broadest sense – in tutorials, labs and libraries and through sports clubs, societies, volunteering and entrepreneurship accelerator programmes.

To all those with an aptitude for the education we offer and a pioneering spirit of adventure, we invite you to apply to join us and prepare for a journey that will open your mind to new experiences and ways of thinking.

**Dr Patrick Prendergast, Provost & President**







# Why Choose Trinity?

**Trinity College Dublin, the University of Dublin is an international university, steeped in history with a reputation for excellence in education, research and innovation.**

Trinity is Ireland's leading university and has been inspiring generations of brilliant thinkers for over 400 years. Join our 18,000 students from over 120 countries around the world and be taught by some of the most influential and reputable professors in their field.

## World Rankings

Trinity is ranked 1st in Ireland and 108th in the world. Trinity also ranks in the top 100 in 20 subjects, globally<sup>1</sup>.

<sup>1</sup> *QS World University Rankings 2020*

## Your Career

Trinity is committed to preparing its students for the ever-changing challenges of the 21st century workplace. Trinity ranks first in Ireland for employer reputation and alumni outcomes<sup>2</sup>.

<sup>2</sup> *QS World University Graduate Employability Rankings 2020*

## Study Abroad and Exchange

Trinity also ranks as the 16th most international university in the world<sup>3</sup>. The university provides an ever-expanding number of opportunities for students to undertake a global mobility experience at one of our many partner universities overseas.

<sup>3</sup> *Times Higher Education World University Rankings 2019*



## Dublin - one of the world's best cities

Trinity's campus is located in the heart of one of the most popular and safest cities in the world. Dublin is a vibrant and multicultural European capital, which ranks as the 37th best student city in the world<sup>4</sup>.

<sup>4</sup> *QS World's Best Student Cities 2019*







## Be at the centre of things

Trinity's central location makes it highly accessible for all forms of public transport: Trinity has its own LUAS (tram) station and there is a DART (Dublin's suburban rail system) station opposite the campus. A large number of Dublin's bus services pass by the university and national bus routes are a few minutes walk away. Dublin's two main train stations are in close proximity, while Dublin airport is 13km (8 miles) from the campus and is directly accessible via bus or taxi. Find out more at: [www.tcd.ie/maps](http://www.tcd.ie/maps)

## Our vibrant campus life

With over 170 clubs and societies, including many international groups, there's something for everyone. At Trinity, involvement in student organisations is not seen as just a hobby, but an integral part of your education. Find out more at: [www.tcd.ie/students/clubs-societies](http://www.tcd.ie/students/clubs-societies)



## The Trinity welcome

A warm Trinity welcome awaits all our students. We believe that a diverse campus adds to the Trinity Experience for everyone, enhances their personal development and enriches the culture of the university. Trinity is an open and inclusive university and we are proud to hold these values.

## Join our diverse community

Our current students come from every county in Ireland and from over 120 countries around the world. 26% of the student body are from outside of Ireland, providing a true global community on Trinity's campus.



## Strong research reputation

Our students receive world-class education in a research-centred, collaborative environment and have the opportunity to work with global leaders in their field. Trinity is also the only Irish member of the prestigious League of 22 European Research Universities (LERU). Find out more at: [www.tcd.ie/research](http://www.tcd.ie/research)



## Join our esteemed alumni

Trinity has produced some of the world's finest and most enquiring minds including the writers Oscar Wilde and Samuel Beckett (Nobel Laureate), the scientists William Rowan Hamilton and Ernest Walton (Nobel Laureate), the political thinker Edmund Burke, and the former President of Ireland and UNHCR Mary Robinson. This tradition finds expression today in a campus culture of scholarship, innovation, creativity, entrepreneurship and dedication to societal reform.



# Distinctive Features of the Trinity Education

**As a student at Trinity College Dublin you will have the opportunity to develop a strong expertise in your chosen subject areas but we believe that a university education should also encourage you to broaden your experience and your perspective beyond your core subjects.**

This is why we have developed the seven features that make a Trinity Education distinctive. These features help our students to develop the qualities, skills and behaviours which are encompassed by the four Trinity Graduate Attributes: to think independently; to communicate effectively; to develop continuously; and to act responsibly.

## Capstone Project

Trinity is a research-led university where every student has the opportunity to do a Capstone project as part of their undergraduate education. The Capstone project is a substantial independent research project that you will normally carry out in your final year. It will enable you to put into practice the skills and knowledge that you have acquired over your programme of study and to further develop the Trinity Graduate Attributes.



## Global Mobility

The opportunity to study or work abroad as part of your studies is a key element of the Trinity Education. One third of our eligible undergraduate students currently avail of global mobility opportunities and we plan to increase this to one in two students over the coming years. Students usually avail of mobility opportunities in their third year of study in eligible programmes. Trinity is an international university with a diverse staff and student population that collaborates in international educational and research networks. In addition to exchange opportunities, you will study with peers, and be taught by academic staff, from all over the world.

### Did you know?

Trinity is Ireland's most innovative university.

**Reuters Most Innovative European Universities 2019**



## Did you know?

Trinity is Ireland's  
leading university

QS World University  
Rankings 2020

## Employability

Trinity is committed to preparing its students for the ever-changing challenges of the 21st-century workplace. Trinity is ranked first in Ireland for graduate employment rates and alumni outcomes. This is reflected in the Trinity Graduate Attributes and a wealth of opportunities for learning experiences that contribute to your employability. As a Trinity student you will have the chance to apply for the Trinity Employability Awards, run in partnership with key employers, and bid for innovative scholarships designed to help you develop research and leadership skills for both your degree programme and your future career.



## Trinity Electives

Trinity Electives are standalone modules that will give you the opportunity to broaden your knowledge beyond your own discipline. You can choose from a range of exciting modules that allow you to engage with Trinity's ground-breaking research, to experience diverse languages and cultures, and to consider how we can address key societal challenges. Each Trinity Elective has been designed specifically to help you develop the Trinity Graduate Attributes.

## Open Modules

Open Modules are modules that are taught as part of other programmes but are complementary and related to your own programme of study. Choosing Open Modules will allow you to broaden your perspective on your core discipline(s) through exposure to knowledge, skills and ways of thinking associated with related fields. Open Modules will provide you with a wealth of opportunities to enrich the study of your core curriculum and to develop the Trinity Graduate Attributes.



## Co-Curriculum

Trinity students are encouraged to actively participate in the 170 student societies and sports clubs on campus. You'll learn outside the classroom through engaging with student life and through other extra-curricular activities such as internships and volunteering, which all support the development of the Trinity Graduate Attributes. As you progress through your years at Trinity, you will regularly reflect on your co-curricular activities and keep track of what you have learned from your experiences.

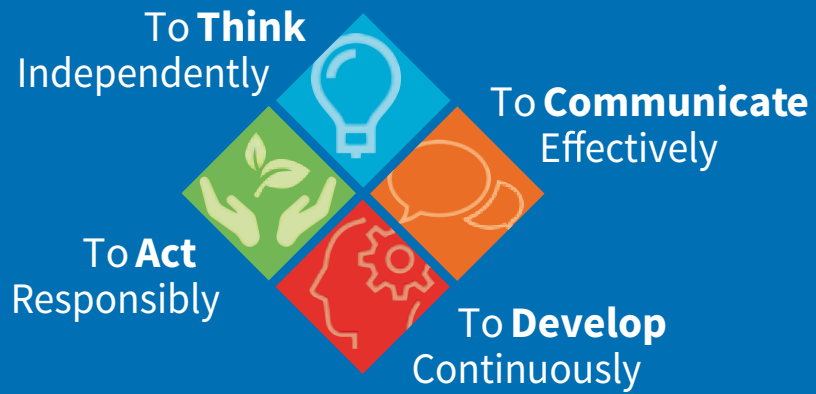


## Partners in Learning

At Trinity, we see students and staff as partners in the learning process. We expect students to actively engage with their programme of study, in collaboration with their instructors. Alongside traditional examinations you will be engaging in diverse forms of assessment, such as presentations, group projects, blogs, and essays. You will receive continuous feedback on your learning and build on what you have learned through the assessment process, developing both mastery of the subject matter and transferable skills.

# Trinity Graduate Attributes

Students come to Trinity not only to acquire a certain set of facts or competencies but because they have an understanding of the sort of person they want to become. Building on the strong value placed on a solid disciplinary formation, we wanted to answer the question ‘what kind of person can I be?’ We distilled this sense of transformation into four Trinity graduate attributes listed below.



Defining the Trinity Education, these attributes encompass the qualities, skills and abilities that our students have the opportunity to develop throughout their entire university experience – both in and outside the classroom in activities such as internships or volunteering. They will benefit our students not just in their careers, but in their future lives as individuals and members of society.







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# Open Day 2019

Saturday 23rd November | 09.00-15.30

Welcome to our **BIGGEST**  
and **BEST** day of the year!

- › Campus tours for class groups and individuals through the year
- › Visit Trinity – make our world-famous campus... your campus!
- › Hear all about the Trinity experience, course choices and student life
- › Course presentations
- › Clubs & societies
- › Tours
- › Meet students and lecturers, and so much more...

## Bring Trinity to you!

We would be happy to visit you and your students for school presentations or careers fairs, or to send you our prospectus. Contact: [ug.recruitment@tcd.ie](mailto:ug.recruitment@tcd.ie)  
Find out more at [www.tcd.ie/openday](http://www.tcd.ie/openday)



# Student Life at Trinity



## Your First Year at Trinity

### Freshers' Week

What happens after you join us in Trinity? Your first week is known as Freshers' Week. There are no classes, so it's all about meeting your new classmates, information sessions, seeing what sports clubs and societies you want to join, meeting your student mentor who will give you a tour of campus and organise social events, meeting your tutor who will provide support to you throughout your years in Trinity, and, of course, the Freshers' Ball.

During Freshers' Week you can also meet people from the Sports Centre, the Library and Student Supports and Services (e.g. Student Counselling, Health Service, Disability Service, Chaplaincy, Student Learning Service, Careers Service and the Day Nursery). These are the services whose job it is to make sure that you get the best out of your time in Trinity.

### What happens after Freshers' Week?

After the excitement of Freshers' Week, teaching starts and you get a chance to settle into your course. Most classes are a mixture of lectures and tutorials and some have practicals as well. The tutorials are less formal and give you a chance to explore and discuss the topics covered in lectures with your classmates and teaching assistants.

Your class representative and your mentors organise events throughout the year that give you further opportunities to get to know your classmates.

As the first year progresses there are many other events to make sure that you enjoy your time in Trinity, including Re-Freshers' Week in week 4, which gives you another chance to join sports clubs and societies.

### Trinity in Twelve Weeks

The "Trinity in Twelve Weeks" programme aims to continue your orientation during your first semester and help your transition to university life. The 'Trinity in Twelve Weeks' programme has a new theme every week, through study and exam skills to how to look after yourself while you're at university. Your mentors will be in touch with you every week to let you know what the week's theme is and to arrange events and activities.

### Entrance Exhibition

Entrance Exhibitions reward the academic achievement of new undergraduate entrants to Trinity. They are awarded to the student accepted into the first year of a full-time undergraduate degree programme who achieves the highest points among Trinity entrants from their secondary school in Ireland. The Provost hosts a special reception for Entrance Exhibitioners and awardees receive a €150 book token and a certificate. The names of all the new Exhibitioners are recorded in the Trinity calendar. Full details available at: [www.tcd.ie/study/undergraduate/entrance-exhibition](http://www.tcd.ie/study/undergraduate/entrance-exhibition)





**Amy Monahan,  
Nanoscience student**

Receiving this award gave recognition to myself, my school and family for two years of hard work, and helped me to feel valued within the college system.

## Student Life

### Student Entertainment

University life is about so much more than just education and nowhere is this more evident than at Trinity. Trinity sits in the heart of Dublin city where there are endless extracurricular and recreational opportunities. You can immerse yourself in a broad range of sports clubs and student societies and through these activities you will get a real sense of the 'Trinity Experience', something that extends far beyond lectures, tutorials and exams. You will also have the benefit of the best Students' Union in the country, providing students with a wide range of entertainment and events throughout your time in Trinity.

### Trinity Ball

At the end of the academic year, Trinity hosts the biggest private party in Europe. The Trinity Ball sees more than 7,000 students in ball gowns and tuxedos enjoying Trinity's very own music festival. Marquees and stages are set up across campus, with festivities kicking off at 10pm and acts playing until 5am.

### The Pav

The Pavilion Bar, affectionately known as the Pav, is located at the heart of Trinity, overlooking College Park. There really is nothing better than sitting out on the grass with your friends when the sun is shining and the Pav provides a place for you to chill out and enjoy a green oasis.

### Student Societies

At Trinity, we have 120 student societies which constitute the most dynamic and active set of university student societies in Ireland, everything from the Animation Society to the Zoological Society. We are home to the world's oldest student societies, the 'Hist' or Historical Society founded in 1770 and the 'Phil' which is the oldest debating society in the world, founded in 1683, and whose guests have included everyone from Hollywood heavyweights such as Martin Scorsese to International Space Station commander Chris Hadfield. Find out more at: [www.trinitysocieties.ie](http://www.trinitysocieties.ie)

### Trinity Publications

Trinity students produce the widest range of student publications of any third level institution in Ireland including Trinity News, the University Times, Icarus, The Piranha, TCD Miscellany and Trinity Film Review.

Contributors are regular award winners at the National Student Media Awards and many of our alumni have had very successful careers including author and journalist Mark Little; Peter Murtagh (reporter, The Irish Times) and Eoin McVey (managing editor, The Irish Times); Paul McGuinness (former manager of U2); Ed Mulhall (former Managing Director of News at RTE and former Financial Times editor). Find out more at [www.trinitypublications.ie](http://www.trinitypublications.ie)

### Trinity Sport

Trinity Sport offers something for everyone, whether you want to perform at the highest level or simply want to participate in our social sport programme and have a bit of fun. Whatever your preference is, Trinity Sport has got it covered. Find out more at: [www.tcd.ie/sport](http://www.tcd.ie/sport)



### Sports Centre

The Sports Centre, located at the Westland Row end of campus, is where the majority of our fitness classes and programmes take place, seven days a week. Facilities include a 25-metre swimming pool, climbing wall, fully equipped gym with free weights and cardio machines, virtual cycle and a wellness room. Students are automatically members of the Sports Centre. There are small additional costs for some classes.



### Sports Facilities

In addition to the Sports Centre, Trinity has a number of other sports facilities both on campus and off.

- Botany Bay – tennis courts and indoor soccer
- College Park – rugby, soccer, cricket, hockey, athletics
- Santry Sports Grounds – a short bus ride north of the campus, Santry is the home of Trinity GAA, hockey, soccer, American football, rugby and ultimate frisbee
- Iveagh Sports Grounds – a short bus ride west of the campus, this multi-purpose site was recently acquired by Trinity
- Islandbridge – the boathouse is the base for Trinity men's and women's rowing Sports Clubs.

### Sports Clubs

There are 50 sports clubs to choose from including: aikido, American football, badminton, barbell, basketball, boating, boxing, camogie, climbing, cricket, croquet, cycling, equestrian, fencing, Gaelic football, golf, handball, harriers, hockey, hurling, judo, karate, kayaking, lawn tennis, netball, orienteering, rifle, rugby, sailing, snow sports, soccer, squash, sub aqua, surfing and bodyboarding, swimming, table tennis, taekwondo, trampoline, ultimate frisbee, triathlon, volleyball and windsurfing.

## Trinity – a sustainable campus

In a world with finite resources, Trinity has committed to providing students with both the necessary skillsets to live sustainably, and the kind of innovative thinking and adaptability to enable you to work in a rapidly changing world. Trinity has academics and researchers who are global leaders in subjects such as climate change, nature based solutions, biodiversity, environmental science, smart technology and engineering.

Our commitment to sustainability is evidenced in milestones such as:

- Ranked 10th in the Times Higher Education ranking (2019) out of 471 universities when it comes to UN Sustainable Development Goal # 10, Climate Action, and ranked 28th overall on implementation of UN SDGs
- Establishment of the Provost's Advisory Committee on Sustainability, including student representatives (2017)
- Divestment from fossil fuels, following a student-led campaign (2017)
- Student-led plan to remove disposable plastics from campus (2018)
- Creation of Trinity Pollinator Plan in 2017
- Green Flag Campus status since 2013

- 45% reduction in water consumption since 2009
- 50% reduction in paper consumption since 2011
- 26% increase in energy efficiency since 2006
- 98% of staff and students use sustainable transport (public transport/ cycling/ walking) to commute.

Students actively participate in imagining, driving and implementing campus sustainability initiatives through the Students' Union, Student Sustainability Network, Green Campus Committee, Young Greens, Vegan Society and the EnviroSoc (Environmental Society) to name a few dynamic groups. The Students' Union and Graduate Students' Union have Environmental Officers devoted to supporting and responding to environmental and sustainability issues. We hope you will choose to join your energy with ours to create a more just and verdant world.



## An Ghaeilge/The Irish Language

Irish language and culture is a vibrant aspect of campus life and Trinity offers a rich and varied programme of events, as well as learning and social opportunities through Irish for students of all levels of ability. Free Irish classes, from beginners to advanced levels, are offered to all students. Our Irish Language Residency Schemes provide accommodation and a grant to students who are seeking to live with other Irish speakers and promote the language. For more information, see: [www.tcd.ie/gaeloifig/en](http://www.tcd.ie/gaeloifig/en)

Tá an Ghaeilge agus cultúr na hÉireann beo bríomhar ar champas na hollscoile agus cuireann Coláiste na Tríonóide clár éagsúil imeachtaí agus deiseanna foghlama agus sóisialta ar fáil trí Ghaeilge do mhic léinn ag gach leibhéal cumais. Cuirtear ranganna Gaeilge, ó bhunleibhéil go hardleibhéil, ar fáil saor in aisce do gach mac léinn. Cuireann ár Scéimeanna Cónaithe lóistín agus deontas ar fáil do mhic léinn ar mian leo cónaí le cainteoirí Gaeilge eile agus an teanga a chur chun cinn sa choláiste. Le haghaidh tuilleadh eolais: [www.tcd.ie/gaeloifig](http://www.tcd.ie/gaeloifig)





# Accommodation



New entrants are predominantly accommodated at Trinity Hall in Dartry, near Rathmines, approximately 4km (2.5 miles) from the Trinity campus in Dublin city centre. Trinity Hall is easily accessible from Trinity by bus and the LUAS light rail system. There are over 1,000 residential rooms at Trinity Hall and a significant number are reserved for new entrants to the university.

Trinity has additional accommodation at Kavanagh Court and Binary Hub, both located within just a 15-minute walk of the university.

Rooms on campus are primarily reserved for final year Trinity students and scholars. There are also a number of rooms on campus suitable for students living with mobility issues who can live independently. Students may apply for a room once they have accepted a place at Trinity. CAO applicants may apply in advance of receiving an offer. Find out more at: [www.tcd.ie/accommodation](http://www.tcd.ie/accommodation)



## Trinity Hall

Rooms are arranged in self-catering apartments, with each typically accommodating six persons and consisting of a mix of single and twin en-suite bedrooms with a large kitchen/living room. Facilities include a games room, music room, computer room, sports hall, social spaces, shop and a self-service launderette. The reception area is open 24/7. Residents of Trinity Hall also become members of the Junior Common Room, which organises a range of extra-curricular activities. For further information, including details on rates, see: [www.tcd.ie/accommodation](http://www.tcd.ie/accommodation)

## Other Options for First Year Students

For students who do not apply for, or do not secure a place in university accommodation, the alternative is to seek private rented accommodation, usually sharing an apartment or a house with other students.

The Accommodation Advisory Service helps students find accommodation by providing them with advice and access to house-hunting resources. A database of properties is available to view all year round. During August and September, a fully staffed service is run from the Students' Union Office. The team can provide information and contacts for students wishing to secure rented accommodation and offers guidance on what to look for when renting. Phones are provided so that students may contact landlords. The Advisory Service may also be able to give some information on lodgings (residing in a room in a house with meals provided). For further information and advice see: [www.tcdsuaccommodation.org](http://www.tcdsuaccommodation.org)

# A Global Campus



As Ireland's leading university located in the centre of the vibrant, multi-cultural capital city, Trinity is committed to educating global citizens, be they Irish students making an international impact or students from over 120 countries sharing their cultural experiences with the Trinity community.

## Trinity Global Room

The Trinity Global Room is a unique social and event space for all students that has quickly become a hub of international activity on campus. This is a place where international and Irish students can meet in a social and friendly environment at the hundreds of events run at the Global Room each year. No two days are the same in the Global Room. Hosting close to 400 events a year, the Global Room highlights the richness of Trinity's entire student community. Find out more at: [www.tcd.ie/study/international/trinity-life/global-room](http://www.tcd.ie/study/international/trinity-life/global-room)



## International Societies and Clubs

Trinity is famous for its diverse society life and Trinity societies and clubs with international themes include: Afro-Caribbean Society, American Football Club, Arabesque Society, Caledonian Society, Capoeira Society, Chinese Society, Cumann Gaelach, Europa Society, French Society, Germanic Society, Indian Society, International Student Society, Italian Society, Japanese Society, Jewish Society, Korean Society, Modern Languages Society, Muslim Student Association, Russian Society, Society for International Affairs, South East Asian Society, and Trinity Global Development Society.



## Discover Ireland with the International Student Society

The International Student Society was founded in 1984 to promote communication between the Irish students of Trinity and those coming from abroad and now has over 500 members. Events include social nights, talks and presentations, film screenings, day trips and weekends away. This is only one of the many international societies on campus.

## Did you know?

26% of Trinity students and 40% of Trinity staff are from outside Ireland.





# International Student Supports

## Trinity Global Room

With two full-time Student Support Officers and a team of student ambassadors, the Trinity Global Room is a great first stop for students with questions about navigating Trinity, Dublin and Ireland. The Global Room is open Monday to Friday from 9.30am to 9pm. Contact us at: [tcdglobalroom@tcd.ie](mailto:tcdglobalroom@tcd.ie)

## New to Dublin

The Global Room staff and the peer mentors from Student-2-Student run this programme for all students who are new to Dublin, whether you are from outside Dublin or outside Ireland. The groups meet in the Global Room every Monday evening for the first five weeks of term and cover everything from Dublin grocery shopping and public transport to making friends and adjusting to Dublin culture.



## Airport Meet and Greet Service

New international students arriving at Dublin Airport can avail of this optional, free service. You will be met by a current student at the airport and shown how to get to Trinity's campus or to your accommodation. Find out more at: [www.tcd.ie/study/international/trinity-life/arrival](http://www.tcd.ie/study/international/trinity-life/arrival)

## International Student Orientation

During Freshers' Week, Trinity runs a series of sessions for both EU and non-EU students addressing cultural adjustment as well as practical concerns such as banking and immigration. Find out more at: [www.tcd.ie/orientation](http://www.tcd.ie/orientation)

## Trinity Smart Start Programme

This week-long programme is designed to introduce new international students to Irish history, literature and culture as well as help students adjust to life in Trinity and Dublin. The course runs the week prior to Freshers' Week and details can be found at: [www.tcd.ie/study/understandingireland](http://www.tcd.ie/study/understandingireland)

## English for Academic Purposes

Trinity offers both pre-sessional and in-session English language programmes for incoming and current students who are non-native speakers of English. Please note places are limited. Find out more at:



## Did you know?

Trinity ranks 10th in the World for Climate Action.

Times Higher Education 2019

# Your Support Network

Trinity is an exciting place, full of opportunities to learn, make friends, and experience new things. While Trinity delivers world class courses, it is not just about your academic development: we also want Trinity to be a place where you can develop socially, morally, culturally and personally. There is always someone to listen and help. We want to make sure that Trinity is a place where you are given the best chance to reach your goals.

## Personal Tutor

In your first week in Trinity you will be assigned a personal tutor (a member of our academic staff). Your personal tutor will then be available throughout your time in Trinity to offer help and advice on topics such as changing course, deferring exams, appeals of progression decisions, taking a year out, financial difficulties as well as family and personal problems. Find out more at:

[www.tcd.ie/senior\\_tutor](http://www.tcd.ie/senior_tutor)

## Student Mentors

You'll meet your Student 2 Student (S2S) mentors during Freshers' Week and they will make sure that you know other people in your course before your classes even start. They will also show you around the campus and will keep in regular touch, inviting you to events on and off campus. S2S also offers Peer Supporters, students available for one-to-one conversations on request. They're highly trained, confidential and very approachable. All S2S volunteers are students, just like you, so you never have to worry about asking them a question or talking to them about anything that's worrying you. Find out more at: [student2student.tcd.ie](http://student2student.tcd.ie)

## Access Services – Trinity Access Programmes

TAP (the Trinity Access Programmes) provide a range of supports to students who enter Trinity through the Higher Education Access Route (HEAR), Foundation Courses for Young Adults and Mature Students, and the City of Dublin Education and Training Board (CDETB) University Access Courses.

These supports include:

- › A tailored pre-university orientation programme
- › Academic supports such as extra tuition, a writing resource centre, laptop lending service, maths help room and a designated study space with IT resources
- › Social and personal supports – each student is linked to a member of the TAP staff, their TAP advisor to offer advice, guidance and support and assist with any personal or academic issues
- › Financial support (when available and applicable) including a TAP scholarship, supported childcare scheme and the TAP emergency fund.

Further information about the full range of TAP services and supports can be found at: [www.tcd.ie/Trinity\\_access](http://www.tcd.ie/Trinity_access)  
E: [tapadmin@tcd.ie](mailto:tapadmin@tcd.ie) or T: +353 1 896 2751/3598.

### Matthew Moore Law and Business

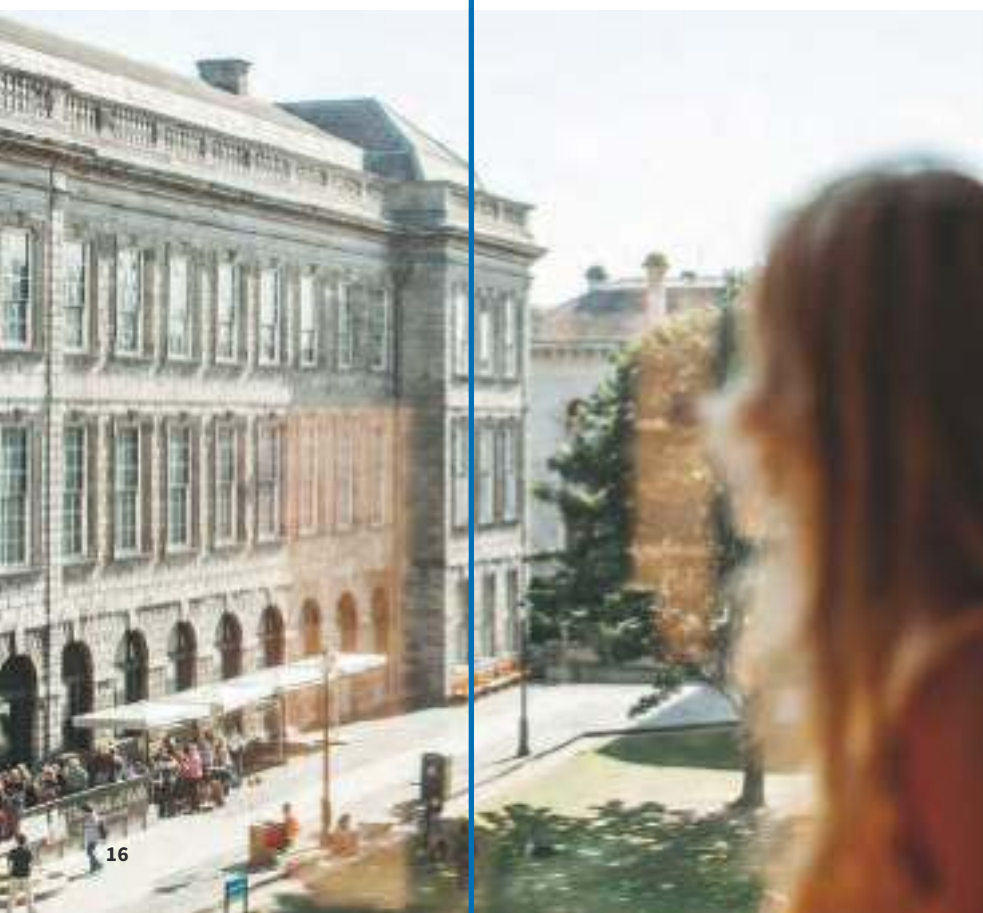
There are three things that are apparent to me from the fantastic years that I have spent at Trinity: Firstly, the atmosphere is very friendly and welcoming; secondly, there is a huge amount of support for students and many aimed specifically at mature students; and lastly, and in many ways most importantly, there are a huge range of extracurricular activities.

## Mature Students Officer

Trinity welcomes mature students and a mature student officer is available to provide guidance and support to prospective applicants. Supports include:

- › Application advice and clinics
- › Further education campus visits
- › Shadowing opportunities
- › A tailored orientation programme for mature students prior to the start of term in September.

For further information on studying in Trinity as a mature student please T: +353 1 896 1386,  
E: [mature.student.officer@tcd.ie](mailto:mature.student.officer@tcd.ie) or visit: [www.tcd.ie/maturestudents](http://www.tcd.ie/maturestudents)





## Disability Service

The Disability Service aims to develop clear and effective support systems at all stages in the student journey, from entering university, to graduation, to employment. Students with a disability are encouraged to register with the Disability Service at Trinity to seek supports where the disability could affect their ability to participate fully in all aspects of their life in college. Here are a few, but not all, of the supports and services available to students with disabilities:

- › Advice to Leaving Certificate students thinking of coming to Trinity on admission, course choices, and supports
- › A tailored pre-university orientation programme for entrants and parents
- › A Disability Officer who will assess your needs and work with you during your student journey
- › The use of assisted technologies to assist in your learning
- › Occupational Therapy support, which provides confidential, practical support for students who may be experiencing mental health difficulties and/or physical and sensory difficulties.

For more information on the Disability Service and supports available. Find out more at: [www.tcd.ie/disability](http://www.tcd.ie/disability)

## Students' Union Supports

As a Trinity student the Students' Union is your union, run for students by students. It represents you, looks after your needs, and fights for your student rights. Students can get involved with the Students' Union (SU) right from the moment they arrive in Trinity whether that's becoming a Class Rep, getting involved with SU Council or even running to become a sabbatical officer. Find out more at: [www.tcdsu.org](http://www.tcdsu.org)

### Laura Beston

#### Students' Union President 2019/20

The SU works for you. We strive to ensure that all students are able to reach their potential and make the most out of their time in Trinity. From running campaigns on the ground and nationally to helping you with day to day problems that you face we do all that we can to make sure that you are at the forefront of your own education.



## Health Service

The Health Service provides primary care medical services for students.

- › Student consultations are free of charge with modest fees for additional services
- › There are specialised clinics in physiotherapy, psychiatry, travel health, sexual health, smoking cessation and minor surgery
- › It also focuses on the psychological and occupational aspects of student health and health education.

### Health Care Provision in Ireland

All EU students from outside the Republic of Ireland pursuing a full degree programme should contact the Health Service Executive for advice regarding healthcare provision at: [www.hse.ie](http://www.hse.ie)

- › All EU students should bring with them a European Health Insurance Card issued in their country of origin. This will entitle them to free prescriptions
- › Non-EU students are not entitled to free national health services in Ireland and are obliged to take out insurance cover for hospitalisation before leaving their home country. In order to register with the Irish Naturalisation and Immigration Service, as all non-EU students are required to do, you must show proof of health insurance to cover any major medical care necessary during your stay. Please see [www.tcd.ie/students/orientation/add-int](http://www.tcd.ie/students/orientation/add-int) for further details.

## Student Counselling Service

Our goal is to help you succeed at Trinity. We provide a range of free, confidential, and professional services to all registered Trinity students:

- › Short-term counselling for personal issues, including a daily emergency session and lunchtime drop-in consultations
- › Supportive groups to help you cope: including mindfulness, improving mood, managing anxiety, and bereavement
- › Well-being workshops e.g. self-esteem, assertiveness, relaxation, and managing stress
- › Information on keeping mentally healthy and overcoming challenging times
- › An after-hours Niteline telephone service run by students for students. Freephone: 1 800 793 793, 7 nights per week during term-time, 9pm – 2.30am.

Find out more at:

[www.tcd.ie/student\\_counselling](http://www.tcd.ie/student_counselling)

## Day Nursery

Trinity's Day Nursery takes care of children from 3 months to 4.5 years of age. The Day Nursery is open for 51 weeks of the year from 8am – 6pm during term time and 8am – 5:30pm outside of term time. The nursery is approved for the CCS, ECCE and CETS schemes. The nursery offers very competitive rates and more information can be found at: [www.tcd.ie/about/services/daynursery](http://www.tcd.ie/about/services/daynursery)

# Your Learning Supports



## Supporting your Transition from Second-Level

Learning at university is different to secondary school and it can be a challenge to manage your own time, meet deadlines, submit assignments, understand the material and motivate yourself to study. This can happen to all students, no matter where you come from or what your background. But no need to worry. Student Learning Development (SLD) can help you study effectively and be successful with our range of services including face-to-face and online workshops, individual consultations and our Blackboard online module – Academic Skills for Successful Learning.

Additional learning supports are available from the Maths Help Room and the Programming Centre ([www.scss.tcd.ie/psc](http://www.scss.tcd.ie/psc)).

Find out more at: <https://student-learning.tcd.ie>

## A World-Class Library

The Library will be at the centre of where you study and learn; the Library of Trinity College Dublin is the largest research library in Ireland. Starting with welcome tours during Freshers' Week, Library staff are available to help you throughout your time at Trinity. You will have a dedicated subject Librarian to help you find, evaluate and cite information for your research. There's free student wifi and in excess of 400,000 e-books as well as millions of online journal articles and 6.5 million books. Trinity also houses the Book of Kells, a beautiful Celtic manuscript known worldwide. Admission is free for Trinity students. Find out more at: [www.tcd.ie/library](http://www.tcd.ie/library)

## IT Services

As a student at Trinity, you'll receive an @tcd.ie email address. The student email service is a lot like Gmail as it is provided by Google. You'll also get a username and password which give you access to a wide range of IT services, including access to Trinity wifi for you to connect your computer, tablet or phone to the internet. Computer rooms are located across campus, with both PC and Mac computers, and some of these rooms have 24-hour access using your Student ID card. Printing services, including photocopying and scanning, are available in computer rooms and in libraries. Find out more at: [www.tcd.ie/itservices](http://www.tcd.ie/itservices)





# Tangent

## Did you know?

Trinity is 1st in Europe for producing entrepreneurs for the 4th year in a row.

Pitchbook Universities  
Report 2018-2019

## Tangent, Trinity's Idea's Workspace

Trinity is committed to empowering our students, enabling them to set up their own companies, realise their potential inside and outside of the lecture theatre, and become entrepreneurially-minded graduates.

As a European leader in student entrepreneurship, Trinity has established Tangent, Trinity's Ideas Workspace. This new space, to be housed in a world-class facility, co-located within an expanded Trinity Business School, will offer students, staff, and the wider innovation ecosystem a place to come together to collaborate, build and innovate.

## LaunchBox, Tangent's Student Accelerator

LaunchBox, Tangent's Student Accelerator was founded in 2013 and since that time has seen 82 startups move through the 16-week summer programme. LaunchBox is all about taking the first strides towards making your idea a reality, while having a fun, creative learning experience. We offer €10K of funding to successful startups applying to the programme so that they can make as much progress and impact as possible. So far, our LaunchBox alumni startups have created over 130 jobs, and raised over €9.2m in funding. Each of the students who have gone through the programme have had a transformational experience that has stood to them in their life after university. Find out more at: [www.tcd.ie/tangent](http://www.tcd.ie/tangent)



## Tangent Pioneers, International Accelerator Programme

Tangent Pioneers is a programme that started in 2018 which takes our best startups to an international environment, offering the valuable opportunity to learn how to operate in a different, more competitive market. For one week, Tangent startups network, learn, pivot, pitch and grow in a new market with new challenges and opportunities. Find out more about our Pioneers at: [www.tcd.ie/tangent](http://www.tcd.ie/tangent)

## The Provost's Innovation Challenge at Tangent

The Provost's Innovation Challenge at Tangent supports our students to engage with pressing issues facing the world and to explore turning their ideas into impactful, real-world ventures. It is also a competition – and an opportunity to win €10K funding to develop your solution over the summer. We will be rolling out our vote for the 2020 Provost's Innovation Challenge @ Tangent during Michaelmas Term next year. Our hackathon for the Challenge will take place during Reading Week in March 2020.

## Undergraduate Certificate in Innovation and Entrepreneurship

This is a Level 7 (10 ECTS) course available to take on a part-time basis. It is open to second and third year students from any discipline. The course aims to develop the core skills of innovation and enterprise in the Trinity undergraduate student population. It is practically oriented with a specific emphasis on experiential learning and project work. Graduates of this course will gain a qualification in addition to their undergraduate degree.

Find out more at: [www.tcd.ie/tangent/education/undergraduate](http://www.tcd.ie/tangent/education/undergraduate)

## Did you know?

Trinity has assisted 83 student companies in the past 5 years; raising €9.4m in investment.



# Your Career Journey

During your time as a Trinity student, you can come and meet with us in the Trinity Careers Service to discuss how you can start preparing for your future career.

## First Year

- › Register with MyCareer to keep up-to-date with careers events and job vacancies
- › Visit our website to find out how we can support you, see [www.tcd.ie/careers](http://www.tcd.ie/careers)
- › Join clubs and societies and get volunteering, see [www.studentvolunteer.ie](http://www.studentvolunteer.ie)
- › Create your new 3rd level CV so you are ready to apply for exciting opportunities
- › Apply for work experience – the best way to figure out what you want to do.

## Second Year

- › Visit our website to see how we can help you find work and make job applications
- › Tailor your CV and apply for work experience and summer internship opportunities
- › Consider applying for the Trinity Employability Award, the Laidlaw Undergraduate Research and Leadership Programme and other bursaries
- › Build on your experiences and try new things that challenge you
- › Use LinkedIn and Trinity Alumni Online Mentoring to be inspired by the success of Trinity graduates.

## Third Year

- › Use our online careers tools to help you find out more about yourself to inform your career choice
- › Meet your Careers Consultant to discuss your strengths and explore your options
- › Reflect on what you enjoy and organise new experiences for the summer
- › Consider taking on a leadership role e.g. officer in a society or class representative
- › Attend Trinity mentoring events to meet with and talk to experienced graduates
- › Find out what you need to know to prepare and plan for your final year.

## Final Year and Postgraduate

- › Meet with your Careers Consultant to discuss your career strategy for the year ahead
- › Attend Careers Fairs and events that interest you
- › Know your deadlines for applications
- › Engage with mentors and fine-tune your CV and LinkedIn profile
- › Continue to be curious, talk to everyone you can and think big!

Our Employability and Employment Guide sets out how Trinity supports your development and prepares you for your career ahead. Find out more at: [www.tcd.ie/careers](http://www.tcd.ie/careers)





# Opportunities Abroad

**Molly Kenny,  
Clonmel, Co. Tipperary**

**B.A.I. Mechanical and Structural  
Engineering graduate**

I'm about to start my first graduate job as an engineer in Chicago – my internship in Germany in second year definitely helped me prepare for an international career.

Trinity is committed to educating globally aware and engaged citizens and as such, Trinity students are strongly encouraged to explore opportunities to study, work, or volunteer abroad. Gaining international experience gives our students the opportunity to experience new ways of learning, to learn about different cultures, and demonstrate your ability to work internationally after graduation.

## **Study, Work, and Volunteer Abroad**

Trinity students can study abroad as an integral part of their degree and Trinity has partnership agreements with many other world-leading universities.

Trinity is a longstanding participant in the Erasmus programme for European exchange, and there are hundreds of options for students who wish to study in Europe. Students may also study overseas at partner institutions in Australia, Canada, China, Hong Kong, India, Japan, Latin America, South Korea, Russia, Singapore, the United States, and New Zealand.

Our students on non-EU exchanges are able to take advantage of our International Welcome Programme. The International Welcome Programme connects Trinity students on exchange abroad with alumni volunteers in the local region. More than over 140,000 Trinity alumni are based across 158 countries worldwide and Trinity students benefit enormously from their expertise on their study abroad destinations. It gives students an initial point of contact and support in their new country to help them really enjoy and make the most of their time overseas!

Read about our current students' study abroad experiences at: [tcdglobal.wordpress.com/category/outbound-students](https://tcdglobal.wordpress.com/category/outbound-students)

## **Summer Programmes**

Many of our prestigious partner universities offer short summer programmes in cities across the world. Each year Trinity students are offered discounted prices and a number of tuition-free places with our partners.

## **Short-term Study Abroad: Module Elective**

Some courses also have shorter-term international field trips available as elective modules. Final year students in our School of Natural Science can take a module in Tropical Ecology and Conservation – this involves an 11-day residential field course in East Africa at the Great Rift Valley.

Watch some of our students talking about their fantastic experiences:  
[www.youtube.com/watch?v=\\_K-79c84Cf4](https://www.youtube.com/watch?v=_K-79c84Cf4)

## **Working Abroad**

Trinity's Careers Service works with employers across the world to offer international work experience and job opportunities to Trinity students and graduates. Gaining international experience enhances a student's employability, helps them to develop new skills and to gain a better understanding of working in an international environment. They are able to articulate the benefits they gained during their time abroad, such as improving their language skills and getting intercultural experience, making them well-prepared for the international jobs market.



# Find Out More About Trinity



## EU Students

### Higher Education Fairs in Ireland

Trinity is represented at all of the major higher education fairs in Ireland which are organised by the Institute of Guidance Counsellors and at many other regional careers fairs each year. For details of careers fairs in your area contact the Guidance Counsellor in your school, your local adult education college or see: [www.qualifax.ie](http://www.qualifax.ie)

### School Visits

Staff from Trinity are available to visit schools to provide a presentation about Trinity and our range of courses. If you would like to request a visit to your school please contact the EU Student Recruitment Manager by email: [ug.recruitment@tcd.ie](mailto:ug.recruitment@tcd.ie). We will make every effort to accommodate your request. Where visits may be impractical due to geographic location, a guided tour can be arranged of the campus.

### Campus Tours

We would be delighted to welcome you to our beautiful historical campus. Please contact the EU Student Recruitment Manager by email: [ug.recruitment@tcd.ie](mailto:ug.recruitment@tcd.ie)

### Book of Kells

The Trinity campus is an open campus and visitors are welcome at all times. The Book of Kells is on display in the Old Library and welcomes over one million visitors annually. Find out more at: [www.tcd.ie/visitors/book-of-kells](http://www.tcd.ie/visitors/book-of-kells)

### Science Gallery

The Science Gallery also holds regular cutting-edge exhibitions and events and is a creative space where science and art collide. Find out more at: [www.dublin.sciencegallery.com](http://www.dublin.sciencegallery.com)

### Mature Students

#### Information Seminar

If you are interested in making an application as a mature student, you are invited to attend our application seminar in January 2020.

#### Discover Trinity Event

Discover Trinity is an exciting week of events that takes place in November each year. Discover Trinity provides opportunities to attend lectures, to meet staff and students and to learn more about our courses.

Find out more at: [www.tcd.ie/maturestudents](http://www.tcd.ie/maturestudents)



SCIENCE



GALLERY



## Non-EU Students

Trinity has a long tradition of welcoming international students. An education at Trinity's diverse and multicultural campus provides students with excellent opportunities to develop their careers. Upon successful completion of an undergraduate programme at Trinity, students have the possibility to stay in Ireland to work for one year on the Graduate Scheme visa. This allows students to gain unrivalled work experience opportunities in Ireland in a wide range of industries and organisations. Full time non-EU students are allowed to work 20 hours per week during term time and 40 hours per week outside term.

### The Global Relations Team

The Global Relations Team manages all of Trinity's international relationships and supports international students during the process of applying to Trinity. Our team is here to help and contact us at [international@tcd.ie](mailto:international@tcd.ie) or via [www.tcd.ie/globalrelations/about](http://www.tcd.ie/globalrelations/about)

#### Roisin Gowen, South Africa Science student

Dublin is an incredible city for students and Trinity's location in Dublin city centre was very appealing to me. One of the best things about Trinity is the society culture and the myriad of societies and clubs to choose from. Not only is there something for everyone, these societies welcome newcomers with such enthusiasm and really try to make everyone feel welcome. The societies and clubs provide a platform where like-minded people can meet and engage regardless of where you are from, how old you are or what course you are studying. It is a fantastic way to meet people and make new friends.



### Visit Trinity

We would like to invite you to our historic campus and provide regular campus tours for international students interested in studying at Trinity. Sign up for a campus tour at: [www.tcd.ie/study/international/visit](http://www.tcd.ie/study/international/visit)

### Meeting Trinity Staff in Your Region

Trinity staff travel regularly to meet with students around the world. We also host events in countries including India, China and the United States where interested students can meet faculty and alumni. If we won't be in your region soon, get in touch with the Global Relations Office and we'll be happy to answer your questions or put you in touch with a student ambassador. Contact us at: [international@tcd.ie](mailto:international@tcd.ie)

### Admission Requirements

Trinity accepts various international and national high school qualifications for direct entry to our undergraduate programmes. Our Global Relations team will provide you with personal guidance to find out whether your qualification leads you directly into a Trinity course. For further information on the international admissions requirements see page 239.

If your school examination is not accepted for direct entry into Trinity programmes you can apply for our pre-university programme, the Trinity International Foundation Programme.



#### Alec Bickerstaff, Connecticut, USA

History and Political Science student

I hadn't really considered studying outside of the US, but was really impressed by my first contact with Trinity at a talk at school. I also met with the Head of Admissions at Trinity's Open Day held in the US. The individual contact, support and attention from Trinity staff has been second to none.

All my professors are truly excellent. I've been surprised at how available they have been. They also teach tutorials, which is amazing. I'm living in Trinity Hall campus accommodation, which is great. There are plenty of US students around, but I'm so happy to be sharing with other Irish students, as it gives me the opportunity to integrate and experience Irish culture at another level.





**Lara Gander, Hong Kong**  
Medical student

Once I had seen pictures of Trinity College Dublin, choosing to apply was an easy decision. Scrolling through the Trinity website, a colourful, lively and diverse scene began to unfold before my eyes. There is an excellent student support system, through personal tutors for each student and a wide range of learning support to aid transitions into Trinity; unparalleled student life with innumerable societies and clubs open to all students, along with the legendary Trinity Ball. Trinity offers the perfect combination of a fantastic university life and high calibre academic work.

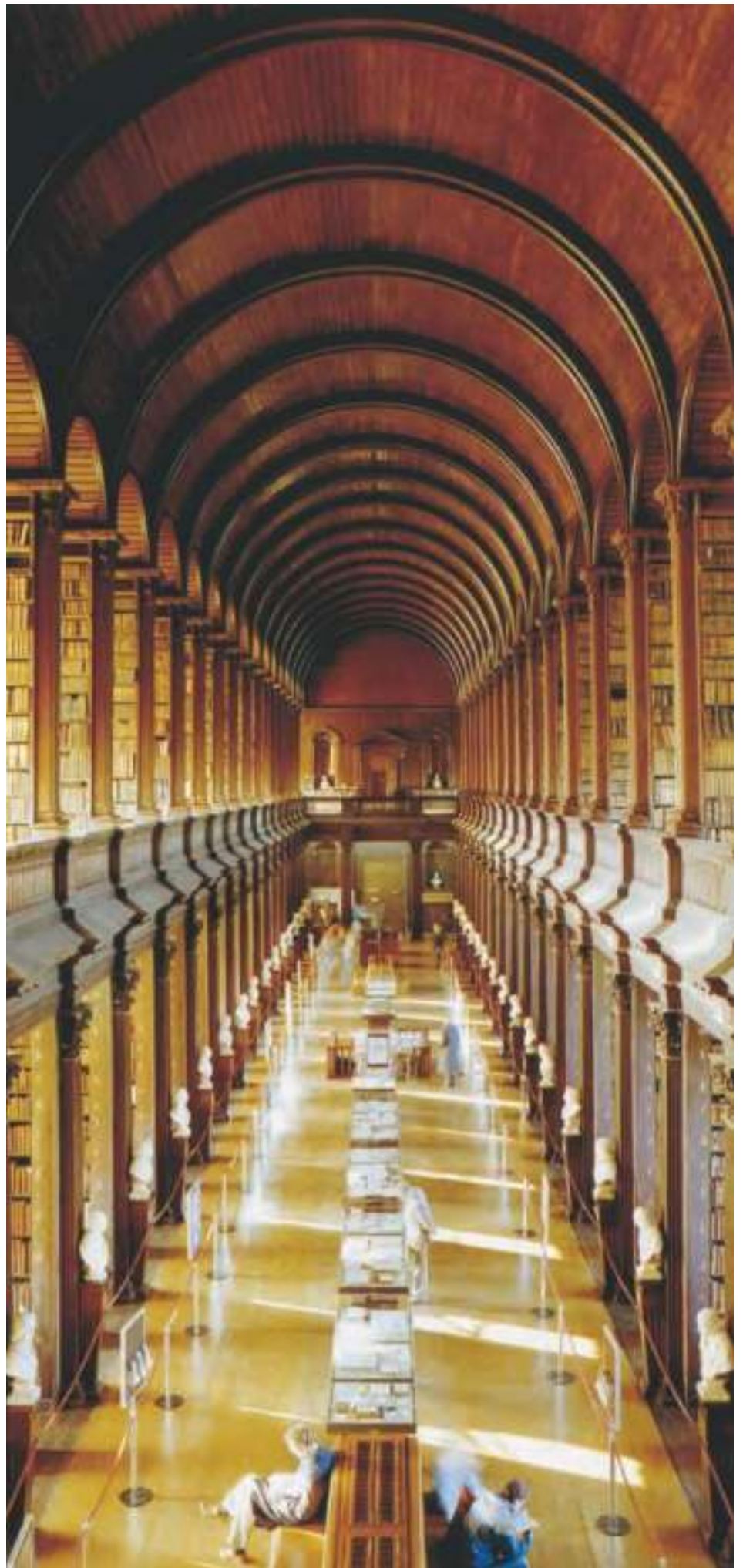
## The Trinity International Foundation Programme

The Trinity International Foundation Programme is a pre-university programme designed to help you to reach your potential and invest in your future. Trinity's International Foundation Programme is delivered at Marino Institute of Education, an affiliated college of Trinity College Dublin. Students who successfully complete this one-year International Foundation Programme and reach the required grades may gain entry to the first year of undergraduate degrees at Trinity.

Applicants to the programme can choose between two distinct pathways:

- **Pathway A** allows progression to Law, Business, Economics and Social Sciences undergraduate programmes at Trinity and the Education Studies and Early Childhood Studies at Marino Institute of Education
- **Pathway B** offers student's progression to Engineering, Science, Computer Science and Health Science related undergraduate degrees at Trinity.

Find out more at  
[www.tcd.ie/study/international](http://www.tcd.ie/study/international)

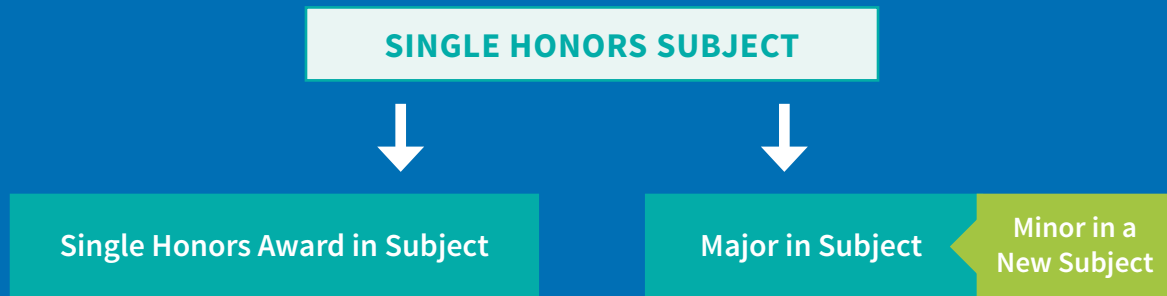




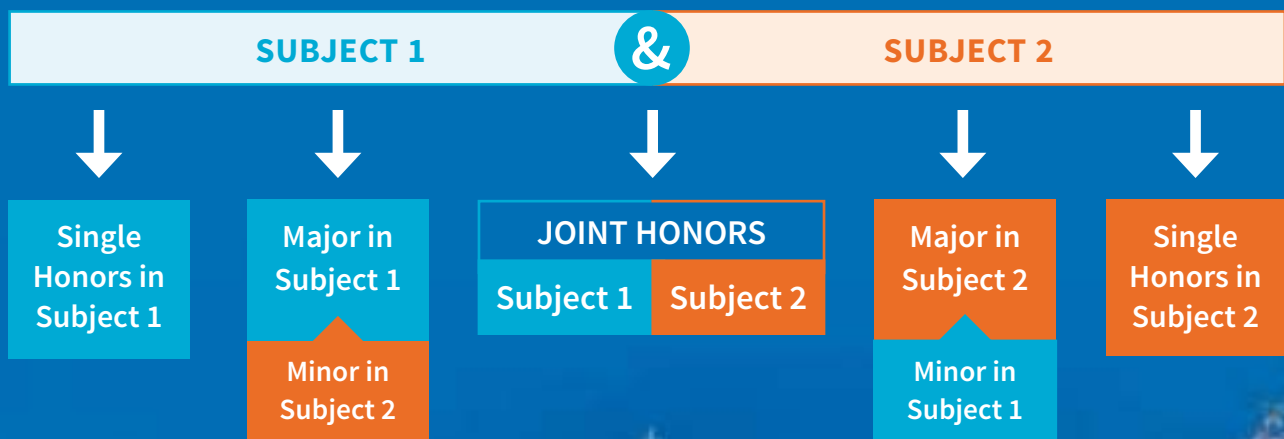
# Flexible Pathways of Study

We recognise that students' interests evolve over time. The pathways below give you the flexibility to focus or expand your domains of interest over your years at Trinity.

## Single Honors



## Joint Honors



# Arts, Humanities and Social Sciences

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# Courses at Trinity in Arts, Humanities and Social Sciences

## Single Honors Courses

Through choosing a Single Honors subject course, you will focus on one subject throughout your time at Trinity. You will have the option to graduate with one of two awards. A Single Honors Award will allow you to specialise in your subject. You may also take up a minor as a new subject from 2nd year and continue in both subjects to achieve a Major with Minor award.

## Joint Honors Courses

Joint Honors entry courses provide you with an opportunity to study two subjects to obtain an award in both subjects at graduation. You may also choose to concentrate more of your efforts on one of the subjects, while continuing to study the second subject to achieve a Major with Minor award or you can specialise in just one of your subjects to obtain a Single Honors award.

## Multidisciplinary Courses

Multiple subjects are studied throughout your course and you will exit with a Multidisciplinary award. These courses are organised around a particular theme, including: European Studies; Middle Eastern and European Languages and Cultures; or Ancient and Medieval History and Cultures.

## Common Entry Courses

In Common Entry courses, you will study multiple subjects in first year and will then be able to choose either 1, 2 or 3 of these subjects to study in second year. After second year you will decide if you would like to specialise in one of these subjects to achieve a Single Honors award or study two of these subjects to graduate either with a Joint Honors or a Major with Minor award. Common Entry courses include Business, Economics and Social Studies (B.E.S.S.); Philosophy, Political Science, Economics and Sociology (P.P.E.S.); or Classics, Ancient History and Archaeology.

Across all course structures, you will have the opportunity to take modules from outside your core discipline(s)/subject(s) through Open Modules and Trinity Electives. For more information on Open Modules and Trinity Electives please see pages 7.

Please see individual course entries in order to confirm the awards that are available to you.

28	Global Business
30	Business, Economic and Social Studies (B.E.S.S.)
34	Business Studies and a Language (French, German, Russian, Polish or Spanish)
130	Business: Computer Science and Business
36	Classics, Ancient History and Archaeology
38	Classics: Ancient History and Archaeology (Joint Honors)
40	Classics: Classical Civilisation (Joint Honors)
42	Classics: Classical Languages (Joint Honors)
44	Clinical Speech and Language Studies
132	Computer Science and Language
46	Deaf Studies
48	Drama and Theatre Studies
48	Drama Studies (Joint Honors)
50	Drama: Bachelor in Acting (non-CAO)
52	Drama: Diploma in Acting and Theatre (non-CAO)
54	Drama: Bachelor in Stage Management and Technical Theatre (non-CAO)
56	Economics (Joint Honors)
58	English Studies
58	English Literature (Joint Honors)
60	European Studies
62	Film
62	Film (Joint Honors)
64	Geography (Joint Honors)
66	History
66	History (Joint Honors)
68	History: Ancient and Medieval History and Culture
70	History and Political Science
72	History of Art and Architecture
72	History of Art and Architecture (Joint Honors)
74	Law
76	Law and a Language (French or German)
78	Law and Business
80	Law and Political Science
198	Mathematics (Joint Honors)
82	Middle Eastern and European Languages and Cultures
84	Middle Eastern, Jewish and Islamic Civilisations (Joint Honors)
86	Modern Languages
88	French (Joint Honors)
90	German (Joint Honors)
92	Irish
94	Italian (Joint Honors)
96	Russian (Joint Honors)
98	Spanish (Joint Honors)
100	Modern Language plus another subject
102	Music
102	Music (Joint Honors)
104	Music Education
106	Philosophy
106	Philosophy (Joint Honors)
108	Philosophy, Political Science, Economics and Sociology (P.P.E.S.)
110	Political Science
112	Political Science and Geography
114	Psychology
116	Religion
116	Religion (Joint Honors)
118	Social Studies (Social Work)
120	Sociology (Joint Honors)
122	Sociology and Social Policy
124	Trinity College Dublin and Columbia University Dual B.A. Programme

# Global Business

B.B.S. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR080	555	40	4 years



## What is Business?

The study of business requires a broad understanding of how human beings apply their skills, networks, knowledge and creativity to problems and opportunities in the world around them; and how they shape that world through their efforts to compete and collaborate over time.

## Business Studies: The course for you?

Studying business opens up a huge range of opportunities: the subject can appeal to people who want to change the world as much as those who want to make a profit. Society is made up of a complex tapestry of organisations and if you are interested in exploring how organisations work and where you fit in, this is the course for you.

## Global Business at Trinity

The Global Business degree is a unique programme, designed for students who wish to focus on business from the very beginning of their degree. The degree is both innovative and practical with a strong focus on experiential learning. Trinity Business School places an emphasis on blended learning, where academic excellence meets industry experience.



During the programme students will have the opportunity to develop foreign language proficiency, work as an intern with a firm or non-profit organisation, live and study in another country, and carry out a research project.

## Graduate skills and career opportunities

Trinity Business School graduates pursue careers across a range of business, government, technology, innovation and social ventures. Banking, finance, accountancy, consulting and marketing jobs top the list of first jobs after graduation and 98% of our students enter employment or further study after graduating. Trinity is known for not only preparing you for your first job, but for future career prospects and promotion as well. Our graduates go on to become leaders in their fields and help to nurture and support the global network of Trinity business graduates throughout their careers.

In addition to positioning students for a broad range of careers, the Global Business programme is designed to facilitate students' entry into graduate courses in business and other related master's programmes. Having undertaken a significant project of independent study in a business area of their choice, students are well-positioned to apply for postgraduate research study in Trinity as well as other highly regarded research institutions with a high rate of application success.

## Your degree and what you'll study

In the first year, students will gain an understanding of the historic development of business, organisation and management, together with grounding in the business related social science and quantitative disciplines that underpin them.

The programme will require that students choose at least one area of business study to pursue in depth – taking advanced subject area modules and undertaking independent research guided by an academic and/or qualified practitioner to produce a significant and innovative outcome that gives them a unique selling point in the next stage of their career journey.

## Modules

In first year, all students take: Fundamentals of Management and Organisation, Economics for Management, Quantitative Methods for Business, and Fundamentals of Philosophy, Ethics and Social Science, Information Systems and Data Management and Well Being in Organisations. In addition, students may choose one optional module from a range of social sciences and European languages.

In second year, students are introduced to the core skills and theories in business management taking the following modules: Organisational Behaviour, Principles of Marketing, Introduction to Accounting, Introduction to Finance, Introduction to Operations Management, Creative Thinking, Innovation and Entrepreneurial Action, Business Ethics and Personal and Professional Development.

Students will also choose from a range of optional modules and Trinity Electives.

In third year students may choose from a wide range of modules, including Contemporary Marketing Management, Consumer Behaviour, Financial Management, Corporate Finance and Equity Valuation, Digital Technology in Operations, Social Entrepreneurship and Innovation, Entrepreneurship and Business Modelling.



## Special entry requirements

Leaving Certificate	O4/H6	Mathematics
GCSE	Grade B	Mathematics



In fourth year, all students are required to complete a Capstone project that involves independent research as the core learning activity. Other module choices include Intercultural Management, International Business and the Global Economy, Financial Reporting and Analysis, Managing New Product Development, Social Innovation and Social Impact, Company and Business Law and Global Supply Chain Management. Modules are subject to change. For a full list of modules, please visit: [www.tcd.ie/business/undergraduate/global-business/structure.php](http://www.tcd.ie/business/undergraduate/global-business/structure.php)

## Study abroad

Our exchange programmes are highly successful and are an extremely popular choice for Global Business students. Participating students find that they are hugely rewarding both academically and culturally and highly valued by prospective employers.

In third year, students have the opportunity to apply to study abroad in a prestigious European university with the EU funded Erasmus programme. European partner universities include Grenoble School of Management, Universidad Carlos III Madrid; the University of Mannheim in Germany, Università Commerciale Luigi Bocconi, Italy, Uppsala University in Sweden and Rotterdam School of Management in the Netherlands. In addition to exchange programmes in Europe, students can apply to study at one of Trinity College's partner universities in Japan, America, Asia, Australia or New Zealand. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/business/undergraduate/study-abroad](http://www.tcd.ie/business/undergraduate/study-abroad)

## Internship

The Internship option gives students the opportunity to undertake an internship during the summer months in exchange for course credit. Students are required to work for a minimum of 6 weeks and may choose to work up to three months. Students may choose to take on a corporate internship, build their own start-up, create a social enterprise or even construct a project for a Trinity-recognised society. The Business School provides dedicated resources to fully support students through this process and to allow them to grow and build on their experiences. For more information please see: [www.tcd.ie/business/undergraduate/experience.php](http://www.tcd.ie/business/undergraduate/experience.php)

## Accounting Exemptions

Depending on module choices, Global Business undergraduate students can receive full CAP 1 exemptions from Chartered Accountants Ireland (ACA). Students can also receive a

range of exemptions from the Association of Chartered Certified Accountants (ACCA) "Fundamentals" exams, again dependent on their subject choices. Both the ACA and the ACCA are internationally recognised. For more information, visit the following links: [www.charteredaccountants.ie/](http://www.charteredaccountants.ie/) [www.accaglobal.com/ie](http://www.accaglobal.com/ie)

## Other courses you might enjoy

TR017: Law and Business, page 78

TR081: B.E.S.S., page 30

TR082: Computer Science and Business, page 130

TR085, TR086, TR087, TR089, TR090: Business Studies and a Language, page 34



## WHAT OUR STUDENTS SAY

### Dina Abu-Rahmeh, Global Business student and CEO of Trinity Student Managed Fund

The business programme at Trinity provides students with the fundamental core business modules, while also allowing them to explore electives across different faculties. Students learn innovative real-world management from leading researchers and industry experts. Students are not only provided with theoretical knowledge in the classroom but are also given the opportunity to join business-related societies and apply their business knowledge and skills to real-life situations. My involvement with the Trinity Student Managed Fund alone opened many doors for me and allowed me to network with industry leaders and renowned professionals.



## Get in touch!

Course Director: Dr. Elaine Laing | [E elaing@tcd.ie](mailto:elaing@tcd.ie) | [T +353 1 896 4981](tel:+35318964981)

[www.tcd.ie/business/](http://www.tcd.ie/business/) | [E undergraduate.business@tcd.ie](mailto:undergraduate.business@tcd.ie) | [T +353 1 896 3705/3394](tel:+353189637053394)

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# Business, Economic and Social Studies (B.E.S.S.)

**B.A. (Mod.) in Economics and Social Studies Honors Bachelor Degree (NFQ Level 8)**

**Or B.B.S. in Business Studies Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR081	511	236	4 years

## What is Business, Economic and Social Studies (B.E.S.S.)?

B.E.S.S. is a uniquely flexible degree programme offering you different degree options across the disciplines of Business, Economics, Political Science and Sociology. It provides students with a broad education and you specialise and graduate with a Single Honors or Joint Honors degree with another subject, or a Major with a Minor. It also offers a high level of flexibility in two very important ways: from the second year onwards students are allowed to (a) choose the specific degree they wish to take and, (b) choose individual modules within their chosen degree path. Students, therefore, have an opportunity to adjust their study programmes in accordance with their academic results, interests, aptitudes and emerging career aspirations.

## B.E.S.S.: The course for you?

The disciplines of Business, Economics, Political Science and Sociology all look at the world around us, analysing how it works and how to achieve certain ends.

Where they differ is in the things they look at and the way they examine them. In your first year as a B.E.S.S. student, you will be introduced to the way that each discipline approaches the complex world that we live in. From the second year onwards, the flexible programme structure allows you to choose the disciplines that appeal to you, along with the specific topics that interest you, through a wide range of modules within each discipline. Graduates invariably tell us that it is this broad, flexible approach that allowed them to build the knowledge and insights that they rely on progressively as they advance to more senior positions in their careers.

## B.E.S.S. at Trinity

### Business

Top international professors and leading business people engage with the students, challenge them and guide them into top roles within the business world. Past students are now leaders in the world of business, government, entertainment, technology, innovation and non-profit businesses.

### Economics

Many of the economic problems which dominate the headlines are engaged within this discipline. Economics blends together theory, data and statistical techniques to help understand economic problems and to make policy recommendations.

Trinity is ranked 1st in Ireland and 108th in the world. The Economics Department is ranked joint first in Ireland, in the top 40 in Europe and in the top 150 in the world for Economics and Econometrics (QS World University Rankings, 2019).

### Political Science

Politics affects us all in our daily lives. Should government tax the rich for greater equality? Should the amount of money the EU spends on agriculture be cut? Questions such as these, along with analysis of political systems and how democracy works, are at the heart of the study of politics.

Trinity is ranked 1st in Ireland and 108th in the world. The Political Science Department is ranked in the top 150 in the world for Politics and International Studies (QS World University Rankings, 2019).

### Sociology

Sociology is the study of social change and the consequences of human behaviour. When you study Sociology you will get the opportunity to analyse people and societies, exploring areas as diverse as migration, race and gender, conflict studies, digitalisation, identities and employment studies.





## Special entry requirements

Leaving Certificate	O4/H6	Mathematics
GCSE	Grade B	Mathematics



Trinity is ranked 1st in Ireland and the Sociology Department is ranked 1st in Ireland and in the top 100 in the world (QS World Rankings By Subject, 2019)

## Graduate skills and career opportunities

From a career perspective B.E.S.S. is an extremely flexible and practical degree programme. Graduates are also highly sought after by employers in a range of fields, such as in finance and banking, politics, research, management consulting, teaching, public service, journalism, within both national and international organisations within the profit, not for profit and public sector. Graduates have gone on to successful and rewarding careers in varied roles around the globe. The following are just a few examples of the organisations that have recruited B.E.S.S. graduates: Accenture, Alcatel, Cisco, Barclay's Bank, Commission for Energy Regulation, Enterprise Ireland, Google, KPMG, Microsoft, Morgan Stanley, Tesco, Topshop, Channel 4 and Atlantic Philanthropies.

### WHAT OUR CURRENT STUDENTS SAY

#### Matt Fitzsimons

There were a variety of factors that made the decision to choose Trinity a simple one. Firstly, Trinity is the only university in Ireland which allows you to graduate with a degree in both Business & Economics through the B.E.S.S. programme which is what I wanted to do. Secondly, Trinity has a strong reputation both in Ireland and across the globe and I knew graduating from such a reputable university would give me the widest variety of employment opportunities possible.

## Your degree and what you'll study

### First year

In the first year you will take all four subjects: business, economics, political science and sociology

### Second year

In second year you can choose to continue with one, two or even introduce a third subject and could, for example, take modules ranging from Intermediate Economics to International Politics, to an Introduction to Social Theory and modules from a list of available Trinity Electives or complementary/open modules.

### Third and fourth years

In third year, following on from your second year, you continue to pursue either three of the four subjects, two of the four subjects, or one of the four subjects.

In the fourth year you may choose to take one or two subject and can exit with a Single Honors, Major with Minor or Joint Honors award. All students will complete a Capstone project in their final year.

Current module descriptors for all four years of the programme can be found the B.E.S.S. website: [www.tcd.ie/bess](http://www.tcd.ie/bess)

### Choosing modules for a Single Honors degree option

In second year, Single Honors students, as well as taking modules from their preferred discipline, also select modules from one or more of the other three disciplines. In third and fourth years, students take the majority of their modules from their chosen discipline but, in keeping with the B.E.S.S. philosophy of flexibility, there is significant scope to choose modules which appeal most from the range of available modules.

### Choosing modules for the Joint Honors degree options

Throughout second, third and fourth year, Joint Honors students take approximately half of their modules from each of the two disciplines they select. Since module choices may be made from among the full range available in two disciplines, the Joint Honors programmes offer exceptionally high flexibility with regard to programme design and module choice.

### Assessment

Most B.E.S.S. modules involve a system of continuous assessment, essays, projects and/or presentations contributing between 30% to 50% of the overall grade per module. The remainder is based on the results of a written end-of-semester examination. Module Descriptors for all four years of the programme can be accessed via the Course Handbook [www.tcd.ie/ssp/undergraduate/bess/current/handbook/index.php](http://www.tcd.ie/ssp/undergraduate/bess/current/handbook/index.php)



## B.E.S.S. at a Glance:

	First year 6 Modules	Second year 6 Modules Choose 1 or 2 B.E.S.S. disciplines	Third year 6 modules specialise in depth in 1 or 2 B.E.S.S. disciplines	Fourth year 4 modules specialise in depth in 1 or 2 B.E.S.S. disciplines
<b>Business</b>	<ul style="list-style-type: none"> <li>› Fundamentals of management and organisation</li> </ul>	<ul style="list-style-type: none"> <li>› Organisational behaviour</li> <li>› Principles of marketing</li> <li>› Introduction to accounting</li> <li>› Introduction to finance</li> <li>› Introduction to operations management</li> <li>› Creative thinking, innovation and entrepreneurial action</li> </ul>	<ul style="list-style-type: none"> <li>› Financial accounting</li> <li>› Corporate finance and equity valuation</li> <li>› Contemporary marketing management</li> <li>› Human resource management</li> <li>› Digital technology in operations</li> <li>› Services management</li> <li>› Business in society</li> <li>› Innovation, entrepreneurship and business modelling</li> <li>› Investments</li> <li>› Social entrepreneurship</li> <li>› Personal and professional development (B.B.S. students)</li> <li>› Taxation</li> </ul>	<ul style="list-style-type: none"> <li>› International business and the global economy</li> <li>› Financial reporting and analysis</li> <li>› Derivatives and international finance</li> <li>› Advances in marketing theory and practice</li> <li>› Managing new product development</li> <li>› Social innovation and social impact</li> <li>› Economic policy and business history</li> <li>› Strategic management: theory and practice</li> <li>› Managing people &amp; leading change</li> </ul>
<b>Economics</b>	<ul style="list-style-type: none"> <li>› Introduction to Economics</li> <li>› Mathematics and Statistics</li> </ul>	<ul style="list-style-type: none"> <li>› Intermediate economics</li> <li>› Economy of Ireland</li> <li>› Mathematics and statistics</li> </ul>	<ul style="list-style-type: none"> <li>› Economic analysis</li> <li>› Money and banking</li> <li>› European economy</li> <li>› Economics of less developed countries</li> <li>› Investment analysis</li> <li>› Economics of policy issues</li> <li>› Industrial economics</li> <li>› Mathematical economics</li> <li>› Econometrics</li> </ul>	<ul style="list-style-type: none"> <li>› Economic theory</li> <li>› World economy</li> <li>› Economics of financial markets</li> <li>› Quantitative methods</li> <li>› International economics</li> <li>› Development economics</li> <li>› Economic and legal aspects of competition policy</li> <li>› Applied economics</li> <li>› History of economic thought and policy</li> <li>› Topics in political economy</li> </ul>
<b>Political Science</b>	<ul style="list-style-type: none"> <li>› Introduction to Political Science</li> </ul>	<ul style="list-style-type: none"> <li>› History of political thought</li> <li>› International relations</li> <li>› Comparative politics</li> </ul>	<ul style="list-style-type: none"> <li>› Research methods for political scientists</li> <li>› Irish politics</li> <li>› Democracy and development</li> <li>› European Union politics</li> <li>› Political violence</li> <li>› Public opinion</li> <li>› European court of justice and other famous courts</li> <li>› Personal career development</li> </ul>	<ul style="list-style-type: none"> <li>› Issues in contemporary politics</li> <li>› Contemporary international relations</li> <li>› African politics</li> <li>› Political psychology</li> <li>› Autocracy</li> <li>› Topics in political science</li> <li>› Economic inequality and democracy</li> <li>› Russian politics after communism</li> <li>› Topics in civil conflict</li> <li>› Italian politics</li> <li>› Media and politics</li> <li>› Military and politics</li> <li>› Right wing populism</li> <li>› The State: past, present and future</li> <li>› Ethnic politics and identity</li> <li>› Electoral politics</li> </ul>
<b>Sociology</b>	<ul style="list-style-type: none"> <li>› Introduction to Sociology</li> </ul>	<ul style="list-style-type: none"> <li>› Gender, work and family</li> <li>› Social theory</li> <li>› Introduction to social research</li> <li>› Power, state and social movements</li> </ul>	<ul style="list-style-type: none"> <li>› Social stratification and inequalities</li> <li>› Globalisation and development</li> <li>› Researching society</li> <li>› Race, ethnicity and identity</li> <li>› Comparative sociology of Europe</li> </ul>	<ul style="list-style-type: none"> <li>› Labour markets, gender and institutions</li> <li>› Conflict studies</li> <li>› Social networks and digital lives</li> <li>› Migration, mobilities and integration</li> </ul>
<b>Approved/ Complementary modules</b>	Choose one subject from: <ul style="list-style-type: none"> <li>› Law</li> <li>› Social policy</li> <li>› Intro to Central, East European and Russian area studies</li> <li>› Language (French, German, Spanish, Russian or Polish)</li> </ul>	<ul style="list-style-type: none"> <li>› Central problems in philosophy</li> <li>› History of philosophy</li> <li>› Logic and philosophy of science</li> <li>› Social policy</li> <li>› European refugee policy</li> <li>› Housing policy</li> <li>› Crime and Irish society</li> <li>› Language</li> <li>› Law</li> </ul>	<ul style="list-style-type: none"> <li>› Life courses and evolving welfare states</li> <li>› Company law</li> <li>› Commercial law</li> <li>› International law</li> </ul>	<ul style="list-style-type: none"> <li>› Poverty, inequality and Redistribution</li> </ul>
<b>Trinity Electives</b>		<ul style="list-style-type: none"> <li>› Responsible action in the real world</li> <li>› Irish language and culture</li> <li>› Idea translation lab</li> <li>› What is the internet doing to me?</li> <li>› Social innovation</li> <li>› Engaging in the digital world</li> <li>› Travel and English literature</li> <li>› Spanish language and culture</li> <li>› Irish landscapes</li> <li>› Design thinking</li> <li>› From planets to the cosmos</li> <li>› Cancer: the patient journey</li> </ul>	<ul style="list-style-type: none"> <li>› Toolkit for a smart and sustainable world</li> <li>› Cultures and societies of the Middle East and north Africa</li> <li>› Displacement: exploring the human experience of forced migration</li> <li>› Emergence of technologies</li> <li>› The art of megacity</li> <li>› A world to discover</li> <li>› Vaccines – friend or foe?</li> <li>› Japanese language and culture</li> </ul>	

\* Note: Module options are subject to change, see [www.tcd.ie/bess](http://www.tcd.ie/bess) for additional details.





#### WHAT OUR CURRENT STUDENTS SAY

##### David Gannon

As someone with no previous knowledge of economics, sociology or politics, I was quite worried starting this course. However, in first year these disciplines are explored at a very broad introductory level which I found very manageable and interesting. As a result of this, I gained valuable knowledge in these disciplines and I also carried on studying economics, which I will now be taking alongside business for final year. B.E.S.S. is a great choice for those of you who are unsure what you want to do; with so many different options and modules to choose from many students end up discovering an interest in subjects that they initially may have been unaware of.

### Study abroad and language options

First and second year B.E.S.S. students have the option to study French, German, Spanish, Russian or Polish. Students also have the opportunity to study abroad in their third year at prestigious universities in countries such as France, Germany, Italy, Netherlands, Austria, Belgium or Spain, as well as English-speaking international exchange programmes to prestigious universities in Europe, North America, Australia and Asia (China, Hong Kong and Japan). Some of the more popular universities are Uppsala University, Sweden; Emory University, Georgia, Senshu University, Japan; IEP – Institut d'Études Politiques de Paris, France; QUT Queensland University of Technology, Brisbane, Australia and the University of Copenhagen, Denmark.

### Other courses you might enjoy

TR080: Global Business, page 28

TR015: Philosophy, Political Science, Economics and Sociology, page 108

TR017: Law and Business, page 78

TR020: Law and Political Science, page 80

TR085, TR086, TR087, TR089, TR090: Business Studies and a Language, page 34

TR082: Computer Science and Business, page 130

TR083: Sociology and Social Policy, page 122

Political Science: page 110



#### WHAT OUR GRADUATES SAY

##### Emily Waters

It was the flexibility and broad subject options of the B.E.S.S. programme that encouraged me to study at Trinity. After experiencing modules in business, economics, sociology, and political science in my first year, I decided to specialise in business and economics for the remainder of my degree. From modules on accounting, entrepreneurship, and international business to statistics, the European economy, and applied economics, Trinity's B.E.S.S. programme allowed me to understand business and the various economic problems facing the world today. Interesting and thought-provoking lectures, coupled with Trinity's knowledgeable and friendly professors, taught me how to think critically and engage with important topics on a theoretical and practical level. I am now employed as a Financial Services Consultant in PwC Ireland. Equipped with the skills I have gained academically in B.E.S.S. and the leadership qualities I have developed through my involvement in Trinity's extra-curricular activities, I am able to provide new insights to the issues faced by PwC's clients.



### Get in touch!

[www.tcd.ie/bess](http://www.tcd.ie/bess) | [E bess@tcd.ie](mailto:bess@tcd.ie) | [T +353 1 896 1298](tel:+35318961298)

# Business Studies and a Language

(French, German, Russian, Polish or Spanish)

**B.B.S. (Lang.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019
TR085: French	528	15
TR086: German	499	15
TR087: Russian	429	7
TR089: Polish	403	5
TR090: Spanish	517	10



## WHAT OUR GRADUATES SAY

### Arthaud Mesnard

Without Trinity's support, Eirloop (Ireland's Hyperloop Team that was placed 5th at the SpaceX Hyperloop Pod Competition) wouldn't have been able to compete in Los Angeles. Furthermore Trinity also gave me the opportunity to participate and eventually win the Global Social Innovation Challenge 2018 organised by the University of San Diego with my social startup, KeepAppy.

## What is Business Studies and a Language?

This four year programme offers an exciting way of learning about business concepts, theories and models, in a variety of subject areas, as well as getting to grips in an in-depth and comprehensive manner with another country's language, its society, culture and business environment.

## Business Studies and a Language: The course for you?

From start to finish, whether as beginners (on the *ab initio* Russian and Polish\* streams) or as more advanced learners (in French, German or Spanish), you will be required to demonstrate a high level of motivation and commitment to mastering core business modules and to all aspects of language learning.

\* Special provisions can be made for students with prior knowledge of Russian or Polish (heritage speakers, near-native speakers or those who have an entrance qualification in Russian or Polish).

## Business Studies and a Language at Trinity?

The distinctiveness of Trinity's B.B.S. (Lang.) degrees centres on the following: the business and language dimensions are integrated across all years of the programme, especially during the year abroad; language instruction is provided by specially-trained lecturers, most of whom are native speakers; lectures on the economy, business environment, society and culture of the relevant country are provided by experts who are continuously conducting research in their specialist field of study; and in most cases, students complete a work placement in the target culture in order to apply and develop their business and language skills in a professional setting.

## Graduate skills and career opportunities

On graduation you will have a strong academic knowledge of international business and management, together with a high-level of competence in the language you have studied. Recent graduates are employed in Ireland and abroad by leading international companies such as Google, KPMG, AIB Capital Markets and Goldman Sachs, as well as by consultancy organisations, embassies and public sector bodies. Many are working in marketing or international management roles while others occupy more specialist positions (e.g. as analysts or researchers). Some proceed to undertake further study and research in international business at postgraduate level.

## Your degree and what you'll study

This programme aims to provide you with the knowledge and skills necessary to communicate internationally and to understand the social, political and cultural contexts of markets, organisations and management across countries.

Teaching is specifically geared to the everyday needs, both formal and informal, of business managers. The language components of the programme will have a contemporary socio-economic and business orientation and much of the teaching is provided through the target language, simultaneously building language skills and knowledge relevant to managing across cultures.

### First and second years

There are approximately 18-20 hours of lectures and tutorials per week. This time allocation should be matched by a similar level of personal study.

Modules in the first and second years include:\*

### Business Studies

- › Fundamentals of Management and Organisation
- › Quantitative Methods for Business
- › Principles of Marketing
- › Introduction to Accounting
- › Creative Thinking, Innovation and Entrepreneurial Action
- › Introduction to Finance
- › Introduction to Operations Management
- › Organisational Behaviour

### Language

- › General language and language for business (written, oral and aural proficiency)
- › Contemporary society, institutions and culture (depending on your chosen language, you may also be given the opportunity to take a module in literature and film)
- › Overall economic and business environment of the region/country of your chosen language



## Special entry requirements

Leaving Certificate	O4/H6	Mathematics (TR085, TR086, TR087, TR089 & TR090)
	H3	French (TR085)
	H3	German (TR086)
	H4	In a language other than English (TR087 & TR089)
	H3	Spanish (TR090)
GCSE	Grade B	Mathematics (TR085, TR086, TR087, TR089 & TR090)
Advanced GCE (A Level)	Grade C	French (TR085)
	Grade C	German (TR086)
	Grade C	In a language other than English (TR087 & TR089)
	Grade C	Spanish (TR090)



### Third and fourth years\*

The third year is spent at a university or business school in the country of the language you are studying. Trinity has exchange agreements with a range of leading universities and business schools throughout Europe. The vast majority of modules and examinations, taken during your year abroad, will be through the medium of your chosen language. On conclusion of the academic year, experience of the business culture in the country of your chosen language may be gained through a work placement of approximately two months' duration.

In fourth year, all students are required to complete a Capstone module that involves independent research as the core learning activity.

In fourth year, Business module choices include:\*

- Strategic Management Theory & Practice
- International Business and the Global Economy
- Financial Reporting and Analysis
- International Finance
- Advances in Marketing Theory and Practice
- Social Innovation and Social Impact
- Global Supply Chain Management
- Managing People and Leading Change

### WHAT OUR GRADUATES SAY

#### Marie-Louise O' Callaghan Business and French graduate

This course exceeded my expectations in more ways than one. The degree itself offered an incredibly wide range of business modules along with the opportunity to study in Paris for my year abroad. I would highly recommend studying in Trinity. Both inside and outside of the classroom student life in Trinity is unparalleled. I have thoroughly enjoyed and embraced the wide range of societies, sports clubs and initiatives around campus. From my involvement in the finance society, to captaining the ladies' tennis team to having the opportunity to establish the Women in Business Conference for the Trinity Student Managed Fund, Trinity gave me the platform to forge my own path. From the location, facilities, educational culture, network, standard of the lecturing and the friends you make during your four years, I truly believe Trinity's offers the best possible university experience for students in Ireland.

\* Modules are subject to change

You will also take modules in your chosen language, further developing your writing, oral and translation skills, and in different aspects of business communication

### Other courses you might enjoy

TR017: Law and Business, page 78

TR080: Global Business, page 28

TR034: Management Science and Information Systems Studies (M.S.I.S.S.), page 134

TR081: B.E.S.S., page 30

TR082: Computer Science and Business, page 130

## Get in touch!

Course Administrator: Trinity Business School

[www.tcd.ie/business/undergraduate/business-language](http://www.tcd.ie/business/undergraduate/business-language) | [E undergraduate.business@tcd.ie](mailto:undergraduate.business@tcd.ie) | [T +353 1 896 3705/3394](tel:+353189637053394)

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[www.youtube.com/channel/UCM9dPZg6nOJnXj8btEX4z9A](https://www.youtube.com/channel/UCM9dPZg6nOJnXj8btEX4z9A)

BSL Director: Prof Norah Campbell | [E ncampbe@tcd.ie](mailto:ncampbe@tcd.ie) | [T +353 1 896 3705/3394](tel:+353189637053394)

Business Studies and French: Dr. Paule Salerno-O'Shea | [E psalerno@tcd.ie](mailto:psalerno@tcd.ie) | [T +353 1 896 1472](tel:+35318961472)

Business Studies and German: Dr. Gillian Martin | [E gsmartin@tcd.ie](mailto:gsmartin@tcd.ie) | [T +353 1 896 2329](tel:+35318962329)

Business Studies and Polish: Dr. John Murray (Interim) | [E murrayjd@tcd.ie](mailto:murrayjd@tcd.ie) | [T +353 1 896 2416](tel:+35318962416)

Business Studies and Russian: Dr. Dmitri Tsiskarashvili | [E dtsiskar@tcd.ie](mailto:dtsiskar@tcd.ie) | [T +353 1 896 2416](tel:+35318962416)

Business Studies and Spanish: Dr. Ciara O'Hagan | [E cohagan@tcd.ie](mailto:cohagan@tcd.ie) | [T +353 1 896 4236 / 896 1257](tel:+353189642368961257)

# Classics, Ancient History and Archaeology

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR021	379-506	15	4 years



## What is Classics, Ancient History and Archaeology?

Classics, Ancient History and Archaeology (CLAHA) is an integrated degree programme that allows you to study the history, literature, art, archaeology, culture and thought of the ancient world in conjunction with one or both of the ancient languages. Flexible pathways enable you to pursue your own interests and graduate with a Single Honors degree in Classics (Latin and Greek), Ancient History and Archaeology, or Classical Civilisation, or to choose from a wide range of Joint Honors and Major/Minor combinations. Both languages can be begun from scratch, and previous study is not necessary.

## CLAHA: The course for you?

This may be the course for you if you enjoy learning languages, and are interested in studying the history, literature and culture of ancient civilisations, their achievements and their profound influence on the modern world. Whether you are more attracted by the mythology, literature and thought of the ancient world, or by the study of its material remains and the historical record of its achievements, CLAHA will allow you to develop and pursue your own interests and shape the degree programme in the way that suits you best.

## CLAHA at Trinity

The Department of Classics has a world renowned reputation and courses are taught by academics at the top of their fields. Classics has been taught in Trinity since its foundation just over 400 years ago, and Trinity is unique in having professorships in both Greek and Latin. Teaching formats include a mixture of lectures, practical classes and small-group seminars, which encourage lively discussion and the development of independent thinking. There are opportunities to participate in archaeological fieldwork and in organised study tours to Greece and Italy, for both credit and non-credit. It is also possible to study abroad for a semester or a whole year.

## Graduate skills and career opportunities

Trinity has a long tradition of Classics graduates who have continued on to postgraduate study and successful academic careers both in Europe and America. Our students find that their degree has been a real education and a source of continuing satisfaction to them, whatever employment they take up after leaving us. Recent graduates of the Classics Department have pursued careers in business, journalism, public relations, heritage and museum work, publishing, teaching and theatre, and are working for companies ranging from McKinsey and Co. and the Sunday Independent to the Gare St. Lazare Players.

## Your degree and what you'll study

At the beginning of the degree programme, you will be asked to choose between a dual language pathway (typically leading to a degree in Classics) and a single language pathway (typically leading to a degree in Ancient History and Archaeology or Classical Civilisation, with the option of continuing with the language to degree level). It is possible to switch between pathways in second year.

### First year

All students study all of the three subjects below and take a common core, consisting of introductory modules in Greek and Roman History and in Classical Civilisation (Reading and Writing About Ancient Literature). Students following the single language pathway take further modules in: Greek and Roman Art and Architecture, Sources and Methods for Ancient History and Archaeology, language-based modules at either Beginners' or Intermediate level, depending on whether you have studied the language before

Students following the dual language pathway take modules in both Greek and Latin at Beginners' or Intermediate level, as appropriate; if beginning both languages from scratch, they follow the single language pathway in first year and begin the second language in second year:

- Greek or Latin for Beginners: these modules involve intensive study of the language. By the end of your first year of study you will be ready to read original texts and your command of the language will be at the same level as those who have studied it before entering university.
- Intermediate level modules in Greek and Latin are typically text-based, and introduce you to the critical reading of Greek and Latin literature through a close examination and contextualisation of poetry and prose works, including (for Greek) Homer's Iliad and Odyssey, the Histories of Herodotus, and the tragedies of Sophocles and Euripides; and (for Latin) the comedies of Plautus and Terence, Virgil's Aeneid and the love poems of Catullus and Ovid.



## Do you enjoy...

Studying the literary and archaeological heritage of the ancient world?

Exploring the ideas and the political, social and cultural history of ancient civilisations?

Learning languages?



## Year 1 – Study all 3 of the subjects below

Classics  
(Greek and/or Latin)

Classical Civilisation

Ancient History  
and Archaeology

## Special entry requirements

Leaving Certificate	H4	In Greek, Latin or in another language other than English
Advanced GCE (A Level)	Grade C	In Greek, Latin or in another language other than English

## Possible Awards

**Single Honors**  
Classics  
Classical Civilisation  
Ancient History  
and Archaeology

**Major with Minor**  
Classics with Classical  
Civilisation **OR** Ancient History  
and Archaeology  
Classical Civilisation  
with Latin **OR** Greek  
Ancient History and Archaeology  
with Latin **OR** Greek  
Latin with Classical  
Civilisation **OR** Ancient History  
and Archaeology  
Greek with Classical  
Civilisation **OR** Ancient History  
and Archaeology

**Joint Honors**  
Classics & Classical Civilisation  
Classics & Ancient History  
and Archaeology  
Latin & Classical Civilisation  
Latin & Ancient History  
and Archaeology  
Greek & Classical Civilisation  
Greek & Ancient History  
and Archaeology

## Second, third and fourth years

In your second year, you will be asked to confirm your choice of pathway, and will have the opportunity to focus on the aspects of the programme that most interest you. Students following the single language pathway choose a preponderance of modules in Ancient History and Archaeology or Classical Civilisation in accordance with their preferred degree outcome (Single or Joint Honors or Major/Minor). At this stage, you may or may not choose to continue with the language taken in first year; you will also have the option of taking Trinity Elective modules or Open Modules from another programme.

Students following the dual language pathway will continue to study both languages at Beginners or Intermediate level, and will also have the option of taking Trinity Elective modules or Open Modules from another programme.

In third and fourth year, you will continue to specialise in either Ancient History and Archaeology, Classical Civilisation or Classics, according to your preferred degree outcome. Fourth year for all students includes a Capstone project, in the form of a dissertation on a subject of your choice. This is an opportunity to carry out research which will allow you to develop independent ideas and acquire critical skills while investigating in greater depth an area that particularly interests you. All modules are taught through lectures and small-group seminars.

Ancient History and Archaeology modules in second and third year offer the opportunity to focus on specific themes and periods in the history and archaeology of the Mediterranean, develop a deeper awareness of methods and theory, engage with ethical issues concerning cultural heritage, discuss key themes of relevance to both the ancient and modern world, and to do 'hands on' work with artefacts. In fourth year, you will be able to choose from a range of special subject options: modules offered recently include Ancient Cyprus; Entertainment and Spectacle in the Greek and Roman Worlds;

Goddesses of the Ancient Mediterranean; Anthropology and the Greeks; Kings and Cities; and Rhetoric: The Art of Persuasion.

Classical Civilisation modules in second and third year focus on specific authors (e.g. Homer, Virgil, Herodotus), genres (e.g. tragedy, comedy, philosophy) or themes (e.g. gender and sexuality, humans and other animals). In these modules you will analyse ancient texts both as literature and as gateways into culture and thought, discuss key themes of relevance to both the ancient and modern world, and refine your analysis of texts in their literary and cultural context through more specialised skills and methodologies. In final year, you will be able to choose from a range of special subject options, as for Ancient History and Archaeology above.

Third and fourth year modules in Classics progress to an in-depth study of topics in Greek and Roman literature, history and culture. You will refine your analysis of texts in their literary and cultural context through more specialised skills and methodologies, such as textual criticism, linguistics and literary theories. Greek topics may include Greek comedy, Greek historians, the Greek novel, and Hellenistic poetry. Latin topics may include Augustan poetry, didactic poetry, early Latin, informal Latin, and Roman satire. Language labs or a separate advanced language module will assist you in improving your fluency and accuracy in reading and interpretation.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

## Study abroad

The Department has valuable Erasmus links with the Universities of Cyprus, Udine (Italy), Geneva, Bordeaux, and Koç (Turkey). Students are also able to avail of University-wide exchanges, for example, to North America and Australia. These opportunities allow students the option of spending a year or part of a year abroad.

## WHAT OUR CURRENT STUDENTS SAY

## Clarissa Spain

I would wholeheartedly recommend studying at Trinity and studying Classics. The language classes are well integrated with classes on literature, art, and history – connecting themes and ideas across disciplines – and everyone at Trinity has been lovely and supportive. Latin and Ancient Greek feel like keys that have been handed to me that unlock a deeper understanding of history, art, philosophy, literature, and language. Our own, modern world is full of echoes of the past, and I am finally able to hear them.



## WHAT OUR GRADUATES SAY

## Andrew Beazley

I have only good things to say about the four years I spent studying in the Classics Department at Trinity. The faculty are exceptionally knowledgeable and take great care of their students. I studied for the full language degree in Classics (both Latin and Greek) purely for the enjoyment of it - but it has also turned out to be very useful; the analytical skillset and nuanced perspective that comes from the close study of two ancient and complex languages has been invaluable in my current role in local government.



## Get in touch!

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# Ancient History and Archaeology

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR043	n/a	10	4 years
Joint Honors (see below)	379-506	23	4 years

Ancient History and Archaeology is studied as a Joint Honors subject with one of the following options:

- TR111 Geography
- TR112 History
- TR113 History of Art and Architecture
- TR114 Modern Language\*  
(French, Irish, Russian)
- TR117 Religion
- TR547 Middle Eastern, Jewish and Islamic Civilisations

\* See page 86 for language options and requirements

## What is Ancient History and Archaeology?

Ancient History and Archaeology are both concerned with understanding social, political and cultural experience in the past. This course offers you the opportunity to range across these two broad disciplines. You will study the Greek and Roman worlds by working with historical and literary documents alongside the material remains of ancient sites and artefacts. All material is studied in translation and no knowledge of Greek or Latin is required, but there are opportunities to take introductory modules in the languages.

## Ancient History and Archaeology: The course for you?

You will enjoy this course if you are interested in studying the history and culture of the Greeks and Romans – their achievements and their profound influence on the modern world – through the complementary study of history and archaeology. You will have the opportunity to get practical experience and take part in Study Tours.

### WHAT OUR CURRENT STUDENTS SAY

#### Stephen Smith

Trinity offered the best quality and most fitting course for my interests and potential future career choices. The department is a small family and the quality of the teaching is excellent. The student community is very close and I encourage getting involved with the two main societies of the Classics department, DU Archaeological Society and DU Classical Society. I really found my place in college through the society and I encourage you all to come and find us (I'll be dressed as Julius Caesar) in front square during Fresher's week.

## Ancient History and Archaeology at Trinity

The Department of Classics has a world-renowned reputation. Its courses are taught by academics at the top of their fields. Ancient History and Archaeology offers you the opportunity to learn about the ancient world in a fun and friendly environment and learn not only about the past but also about its significance to the present. There are opportunities to participate in archaeological fieldwork in Ireland, the UK and the Mediterranean and in study tours to classical sites, for both credit and non-credit. The course is taught through a mixture of lectures, practical classes and small-group seminars, which encourage lively discussion and the development of independent thinking. It is also possible to study abroad for a semester or a whole year.

## Do you enjoy...

Learning about Greek and Roman life?

The study of archaeological sites and objects?

Exploring political, social and cultural history?





#### WHAT OUR GRADUATES SAY

##### Eleanor Neil

I chose my course because I knew already that I wanted to be involved in archaeology and Trinity allowed me to study archaeology as well as history. Furthermore, the staff that I would be engaging with are some of the leaders in their field. I would highly recommend Trinity because of the outstanding education I received.



## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Recent graduates have entered many fields including archaeology, archaeological consultancy in Ireland and the UK, heritage and museum work (for example the National Museum of Ireland), art restoration, teaching and higher education policy, publishing, business, computing, accountancy, government and social work. Recent graduates are working for companies as diverse as McKinsey and Co and Cambridge University Press. Each year some of our graduates also opt to pursue a research career in history or archaeology beginning with postgraduate study in Ireland or abroad.

## Your degree and what you'll study

Over your four years you will develop a broad understanding of the ancient world through its history and archaeology, moving from introductory courses in the first year, to more focused thematic topics in the second and third years, and choosing from a range of specialised options in your final year. In these modules, you will explore not only the Greek and Roman worlds specifically but also their relationships with neighbouring cultures, such as Egypt and the Near East, and their place within the Mediterranean and beyond. A combination of end-of-semester examination and continuous assessment (e.g. essays, seminar presentations and Ancient History and Archaeology team projects, artefact studies and short commentaries on texts) is used to assess your progress, and a thesis is written in the final year.

### First year

In first year you will take three modules which give you a solid introduction to the Greek and Roman worlds and to the skills and approaches of the two disciplines. There are approximately six hours of classes per week in the first year.

- Greek and Roman History
- Greek and Roman Art
- Sources and Methods in History and Archaeology

### Second and third years

Modules in the second and third years offer the opportunity to focus on specific themes and periods in the history and archaeology of the Mediterranean, develop a deeper awareness of methods and theory, engage with ethical issues concerning cultural heritage, discuss key themes of relevance to both the ancient and modern world, and to do 'hands on' work with artefacts. Over the two years you will study topics in: Greek Archaeology and History, Aegean Bronze Age Archaeology, Roman Archaeology and History, and the History and Archaeology of Roman Britain. There are also options to do practical archaeological work or an approved study tour to the Mediterranean in place of a taught module in these years. It is also possible to take introductory modules in Greek or Latin.

### Fourth year

If you decide to study Ancient History and Archaeology in the final year you will be able to choose from a range of special subject options on offer. Modules offered recently include Ancient Cyprus; Entertainment and Spectacle in the Greek and Roman Worlds; Goddesses of the Ancient Mediterranean; Anthropology and the Greeks; Kings and Cities; Rhetoric: The Art of Persuasion.

You will also write a thesis on a subject of your choice. This is an opportunity to carry out research which will allow you to develop independent ideas and acquire critical skills while investigating in greater depth an area that particularly interests you.

## Study abroad

Trinity has strong links with many Classics departments abroad, including active participation in the Erasmus exchange programme. The Department has valuable Erasmus links with the Universities of Cyprus, Udine (Italy), Geneva, Bordeaux and Koç (Turkey). Students are also able to avail of University-wide exchanges, for example, to North America and Australia. These opportunities allow students the option of spending a year or part of a year abroad.

### Other courses you might enjoy

Classical Civilisation, page 40

Classical Languages, page 42

TR021: Classics, Ancient History and Archaeology, page 36



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# Classical Civilisation

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	339-499	29	4 years



Classical Civilisation is studied as a Joint Honors subject with one of the following options:

- TR166 English Literature
- TR173 History of Art and Architecture
- TR177 Modern Language\*  
(German, Italian, Irish, Spanish)
- TR179 Philosophy
- TR548 Middle Eastern, Jewish and Islamic Civilisations
- TR663 Religion

\* See page 86 for language options and requirements

## What is Classical Civilisation?

The study of Classical Civilisation is concerned with the literature, thought and culture of Ancient Greece and Rome. Through the examination and contextualisation of literary works and the analysis of the main aspects of ancient history and art, you will develop a thorough knowledge of the classical world and a critical approach to Greek and Roman literature. All texts are studied in translation and no knowledge of Greek or Latin is required, but there are opportunities to study the languages at an introductory level.

## Classical Civilisation: The course for you?

If you enjoy literature; if you want to acquire an understanding of the past and its influence; if you would like to engage with the mythology, poetic imagination, depth of thought and historical value of two civilisations that shaped the western world, this may be the course for you.

## Classical Civilisation at Trinity

The Department of Classics has a world renowned reputation and courses are taught by academics at the top of their fields. Classical Civilisation offers you the opportunity to learn about the ancient world in a fun and friendly environment and learn not only about the past but also about its significance to the

present. There are opportunities to participate in study tours and summer schools to classical sites for both credit and non-credit. The course is taught through a mixture of lectures and small-group seminars, which encourage lively discussion and the development of independent thinking. It is also possible to study abroad for a semester or a whole year.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Business, librarianship, museum work, publishing, teaching and theatre are some of the many fields recent graduates have entered. Recent graduates are working for companies as diverse as Smurfit Communications, Blackwell Publishing and the Gare St. Lazare Players. Students who opted to undertake further study have selected courses ranging from law and marketing to teacher training and international peace studies.

## Your degree and what you'll study

Over the four years you will develop a broad understanding of the classical world, primarily through its literature. You will move from introductory modules in history and literature and art in the first year to the study of specific authors, genres and themes in the second and third years. In your final year you will choose from a range of specialised options. All modules are taught by lectures and small-group seminars. A combination of end-of-semester examination and continuous assessment (e.g. essays, seminar presentations and team projects, artefact studies and short commentaries on texts) is used to assess your progress, and a thesis is written in the final year.

## Do you enjoy...

The study of literature and drama?

Learning about the ideas and customs of other cultures?

Exploring similarities and differences between the classical past and the present?







### First year

In first year you will be introduced to the critical study of ancient history, literature, myth and religion, with a view to acquiring a comprehensive and interdisciplinary perspective on classical culture. There are approximately six hours of classes per week in first year. There is the option of taking an introductory module in either Greek or Latin.

- › Greek and Roman History
- › Reading and Writing About Ancient Literature
- › Greek and Roman Mythology and Religion

### Second and third years

In each of these two years you will take four or five modules which focus on specific authors (e.g. Homer, Virgil, Herodotus), genres (e.g. tragedy, comedy, philosophy) or themes (e.g. gender and sexuality, identity and self-image). In these modules you will analyse ancient texts both as literature and as gateways into culture and thought, discuss key themes of relevance to both the ancient and modern world, and refine your analysis of texts in their literary and cultural context through more specialised skills and methodologies. It is possible to take options which will provide an introduction to Greek or Latin. All the modules are taught through lectures and small-group seminars. You will explore, for example, how the Greeks and Romans saw themselves and other cultures; how they tried to make sense of the

world around them through philosophy and religion; how they thought about politics and ideology, ethnicity and identity, life and death.

### Fourth year

If you decide to study Classical Civilisation in the final year, you will be able to choose from a range of special subject options on offer. Modules offered recently include: Ancient Cyprus; Entertainment and Spectacle in the Greek and Roman Worlds; Goddesses of the Ancient Mediterranean; Anthropology and the Greeks; Kings and Cities; Rhetoric: The Art of Persuasion.

You will also write a thesis on a subject of your choice. This is an opportunity to do research which will allow you to develop independent ideas and acquire critical skills while investigating in greater depth an area that particularly interests you.

### Study abroad

Trinity has strong links with many Classics departments abroad, including active participation in the Erasmus exchange programme. The Department has valuable Erasmus links with the Universities of Cyprus, Udine (Italy), Geneva, Bordeaux and Koç (Turkey). Students are also able to avail of University-wide exchanges, for example, to North America and Australia. These opportunities allow students the option of spending a year or part of a year abroad.

### WHAT OUR CURRENT STUDENTS SAY

#### Ultan Pringle

I decided that Classical Civilisation was the course for me after meeting with one of the professors in the department at an open day and being fully captured by the enthusiasm and love and sheer knowledge for the course that they had. There's something uniquely thrilling about studying in Trinity. Two years in and I still feel a little sense of wonder when I walk in through front arch every morning and see that view. Trinity lies at the heart of Dublin city centre and studying here you really do feel like you are immersed in the hustle and bustle of the city.



### WHAT OUR GRADUATES SAY

#### Catherine Costello

The course allowed me to gain an in-depth understanding of how Western culture and especially English literature was shaped by ancient Greek and Roman culture and society. The enthusiasm and expertise of the amazing team of professors and lecturers in the Department of Classics at Trinity was inspiring and infectious. I would heartily recommend studying at Trinity. I felt at home here for four years and hope to continue with postgraduate studies.

### Other courses you might enjoy

Ancient History and Archaeology, page 38

Classical Languages, page 42

TR021: Classics, Ancient History and Archaeology, page 36



## Get in touch!

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# Classical Languages

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	330-506	10	4 years



Classical Languages is studied as a Joint Honors subject with one of the following options:

- TR228 English Literature
- TR231 History of Art and Architecture
- TR233 Middle Eastern, Jewish and Islamic Civilisations
- TR239 Modern Language\* (French, German)

\* See page 86 for language options and requirements

## What is Classical Languages?

The study of Classical Languages is concerned with the language, literature and thought of either Ancient Greece or Ancient Rome. You will choose to study either Greek or Latin.

Through the reading of literature in the original language and the examination of key aspects of ancient history, you will develop a thorough knowledge of the classical world and a critical approach to textual and material culture.

## Classical Languages: The course for you?

If you are interested in studying the language, the poetic imagination, the depth of thought and the historical value of one of the civilisations that shaped the Western world, you will enjoy this course.

## Classical Languages at Trinity

Greek and Latin have been taught in Trinity since its foundation just over 400 years ago, and Trinity is unique in having professorships in both Greek and Latin. To study Greek and Roman civilisation is to study the roots of western civilisation, the origins of our political and cultural institutions, and to understand how the classical past has profoundly affected ideas and values in the contemporary world. The Department of Classics has a world renowned reputation, and courses are taught by academics at the top of their fields. The course is taught through

a mixture of lectures, practical classes and small-group seminars, which encourage lively discussion and the development of independent thinking. It is also possible to study abroad for a semester or a whole year.

## Pathways

The pathways available are Major with Minor and Joint Honors. See page 25 for more information.

## Graduate skills and career opportunities

Study of the ancient world develops skills of interpretation and communication that go far beyond a knowledge of books, dates and events; these skills offer positive advantages in the hunt for a job. Recent graduates are working in many fields including the diplomatic service, the civil service, banking and accountancy, business, computers, journalism and broadcasting, law, librarianship, publishing, teaching and theatre. Some graduates opt to pursue an academic career with postgraduate study in Ireland and abroad.

## Your degree and what you'll study

Over the four years you will read texts in a wide variety of genres, including epic, tragedy, comedy, philosophy, oratory and historiography. Whether you are continuing your language studies or taking Greek/Latin as a beginner, you will engage with ancient texts both as literature and as a gateway into the culture and thought of ancient Greece/Rome. Through the critical study of ancient history, myth and religion, you will acquire a comprehensive and interdisciplinary perspective on classical culture. For all of your language-based courses the groups will be small, stimulating lively discussion, analytic skills, and the development of independent thinking.

## Do you enjoy...

Learning languages?

Close study and discussion of Greek and Roman literary and historical works?

Exploring the interactions between classical literature and its historical and cultural context?



## Special entry requirements

Leaving Certificate	H4	In Greek, Latin or in a language other than English
Advanced GCE (A Level)	Grade C	In Greek, Latin or in a language other than English

### WHAT OUR GRADUATES SAY

#### Sana Sanai

A degree from Trinity certainly opens doors. But the lessons that I learnt (both within and beyond the walls of lecture theatres) from the members of this uniquely close-knit department far surpass the value of that final transcript. If I could return to do it all over again, I would in a heartbeat.

### First and second years

In first year you will be introduced to the critical study of ancient history, culture and literature. The language-based modules you take depend on whether you have studied Greek/Latin before or are taking it up as a beginner. In second year you continue the study of Greek/Latin language, literature and history. Modules are taught by lectures and small-group seminars.

There are six to eight contact hours per week. A combination of end-of-semester examination and continuous assessment (e.g. essays, unseen translations and other language tests, textual commentaries, seminar presentations), and a thesis in the final year forms the assessment.

- › Greek and Roman History
- › Reading and Writing About Ancient Literature
- › Greek and Roman Mythology and Religion

### Ancient Greek/Latin for beginners

- › Elementary Greek/Latin – an intensive introduction to the Ancient Greek or Latin language. By the end of the year you will be ready to read original texts and your command of the language will be at the same level as those who have studied it before entering university.

### Ancient Greek/Latin for non-beginners

- › Greek/Latin authors – text-based modules introduce you to the critical reading of Greek/Latin literature through a close examination and contextualisation of the oldest and most influential works in western literature. Greek texts include Homer's Iliad and Odyssey, the Histories of Herodotus, the tragedies of Euripides and Sophocles and the philosophical prose of Plato. Latin texts include the comedies of Plautus and Terence, Cicero's famous

speech On Behalf of Caelius, Virgil's Aeneid, the love poems of Catullus and Ovid, and the letters of Pliny the Younger. Alongside these modules you will take classes in Intermediate Greek/Latin, designed to consolidate your grammatical knowledge and translation skills.

### Third and fourth years

In third and fourth years you will progress to an in-depth study of topics in Greek/Latin literature, history and culture. You will refine your analysis of texts in their literary and cultural context through more specialised skills and methodologies, such as textual criticism, linguistics and literary theories.

Greek topics may include Greek historians, Greek comedy, Greek lyric poetry, the Greek novel, and Hellenistic poetry. Latin topics may include Augustan poetry, Didactic poetry, Early Latin, Informal Latin and Roman satire. In third year, you will continue to study ancient history, while language labs or a separate advanced language module will assist you in improving your fluency and accuracy in reading and interpretation. In fourth year you may also study a special topic in Classical culture and will write a dissertation on a subject of your choice. The dissertation is an opportunity to do research which will allow you to develop independent ideas and acquire critical skills, while investigating in great depth an area that particularly interests you.

### Study abroad

Trinity has strong links with many Classics departments abroad, including active participation in the Erasmus exchange programme. The Department has valuable Erasmus links with the Universities of Cyprus, Udine (Italy), Geneva, Bordeaux and Koç (Turkey). Students are also able to avail of University-wide exchanges, for example, to North America and Australia. These opportunities allow students the option of spending a year or part of a year abroad.

### Other courses you might enjoy

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### WHAT OUR CURRENT STUDENTS SAY

#### Rory O'Sullivan

There'd be no Shakespeare without Plutarch, no democracy without Athens, no Christianity without Plato. You get the chance to understand Greek authors on their own terms, to walk a mile in their shoes. The class sizes are small, so you have genuine contact with the department's lecturers, who are the best and most challenging teachers I've had. Greek isn't for the faint-hearted, but I couldn't recommend it enough.



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# Clinical Speech and Language Studies

**B.Sc. (Clin. Lang.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR007	520	34	4 years

## What is Clinical Speech and Language Studies?

The ability to speak and write, to listen and learn, to be understood – abilities that are fundamental to human communication and interaction – can be impaired by a wide range of conditions, from stroke to cerebral palsy, hearing impairment, learning disabilities, developmental delays, and autism. Speech and Language Therapists work with people of all ages and assess, diagnose and treat individuals with a variety of communication and swallowing disorders. Since communication and swallowing difficulties affect every aspect of a person's life, the work of the speech and language therapist is multi-faceted, and therapists work in a variety of settings, from schools to hospitals and other clinical settings.

## Clinical Speech and Language Studies: The course for you?

This course will appeal to you if you have an interest in how speech, language, communication and swallowing work and how these areas may be affected in either children or adults. You will enjoy this course if you like a variety of teaching, learning and assessment approaches, such as lectures, problem-based and case-based learning and clinical practice.

## Clinical Speech and Language Studies at Trinity

When you decide on a career as an allied healthcare professional, you need to ensure you have the best academic and clinical preparation to succeed. The Department of Clinical Speech and Language Studies is the longest established, accredited undergraduate programme in speech and language therapy in Ireland. The team involved in the delivery of this course enjoy national and international recognition in teaching and research, and are experts in their respective fields.

## Graduate skills and career opportunities

You might be surprised to learn that the knowledge and skills developed while studying Clinical Speech and Language Studies equips graduates to work in a wide range of interesting and challenging contexts.

Whilst graduates emerge with an in-depth knowledge of their discipline, they also have important transferable skills that provide a strong foundation to engage with society and the workplace. Graduates develop the ability to think independently, act responsibly, communicate effectively and develop continuously. Graduates are ethically minded, resourceful and are ready to embrace challenges and innovations in

their chosen specialty. They become key stakeholders in the development of the speech and language therapy profession in national and international healthcare contexts and in advocating for the rights of people who have communication and swallowing impairments. Graduates from this course are highly sought after and valued by employers in healthcare and educational contexts.

### WHAT OUR CURRENT STUDENTS SAY

#### Niall Heslin

Having carried out some research on the Speech and Language Therapy course in Trinity, I was impressed by the various opportunities it had to offer.

## Your degree and what you'll study

The four-year honors degree course comprises an integrated programme of theory and practice. The key strands within the curriculum are: Speech and Language Pathology and Swallowing Disorders, Clinical Practice, Linguistics, Psychology, Research and Basic Sciences (e.g. Anatomy and Physiology).

Much of first year is focused on foundation studies for understanding typical communication and swallowing behaviours. The emphasis in second year is on understanding and assessing the strengths and needs of the client population served by the profession, together with studying speech sciences, psychology and linguistics. Third year places emphasis on the application of this knowledge to intervention in clinical contexts. You will also study neurology, psychiatry, discourse analysis and further develop your research skills. In fourth year, students are provided with the opportunity to integrate knowledge skills and competencies, acquired through the four years. Students prepare to become practitioners and researchers and complete a significant piece of research known as the Capstone project.

## Do you enjoy...

Working with a diverse range of children and adults who may face challenges in communication?

Exploring how people communicate?

Being people-oriented, highly motivated and open to a collaborative problem-solving approach to learning?





## Special entry requirements

Leaving Certificate	O6/H6	Mathematics
In addition:	H4	In one of English, French, German, Irish, Italian, Russian or Spanish
	H4	In one of mathematics, applied mathematics, physics, chemistry, biology, physics/chemistry or agricultural science
GCSE	Grade C	Mathematics
In addition:		
<i>Either</i>		
GCSE	Grade B	In one of physics, chemistry, biology, mathematics
Advanced GCE (A Level)	Grade C	In one of English, French, German, Irish, Italian, Russian or Spanish
<i>Or</i>		
GCSE	Grade B	In one of English, French, German, Irish, Italian, Russian or Spanish
Advanced GCE (A Level)	Grade C	In one of physics, chemistry, biology or mathematics

See health screening, page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

Note: There may be additional costs for students related to travel and clinical materials during clinical placements.

Clinical activities and placements provide an important learning context from the start of the course. The department has access to a wide range of service settings and clinics, in which to place students, e.g. hospitals, schools, clinics, rehabilitation centres. During term time, an average of one day per week is reserved for clinical work. You will also be required to undertake clinical practice outside term time.

### Assessment

The course employs a wide range of teaching, learning and assessment strategies. Both continuous assessment and end of semester exams are undertaken

Speech-Language-Hearing Association at: [www.asha.org](http://www.asha.org) or the Canadian Association of Speech-Language Pathologists and Audiologists at: [www.sac-oac.ca](http://www.sac-oac.ca) For more detailed information on your career prospects, visit the professional associations' websites at: [www.iaslt.ie](http://www.iaslt.ie) and [www.rcslt.org](http://www.rcslt.org)

### WHAT OUR GRADUATES SAY

#### Emma Leitch

I would recommend Clinical Speech and Language Studies in Trinity College for many reasons. The standard of teaching is exceptional and Trinity students seem to be sought after. I would highly recommend this course at Trinity College if you are interested in any of the following: linguistics, psychology, anatomy, physiology, phonetics, audiology, clinical practice, teaching, healthcare and so on.

## Study abroad

Whilst the Department of Clinical Speech and Language Studies has a strong international network, the nature of the professional course – in terms of the clinical practice requirements – precludes study abroad at undergraduate level. However, students get an opportunity to engage in international summer schools, in the summer vacation period.

On graduation, your qualification from Trinity is recognised as a licence to practise as a Speech and Language Therapist in Ireland. Those holding the degree are eligible to apply for statutory registration with CORU and membership of the Irish Association of Speech and Language Therapists (IASLT): [www.iaslt.ie](http://www.iaslt.ie) Graduates who wish to work in the UK should contact the UK Health Professionals Council: [www.hpc-uk.org](http://www.hpc-uk.org)

Graduates of the course, who wish to work in another European country, will have to apply for approval from the appropriate registration body in that country. If you are considering applying for professional recognition to work as a Speech-Language Pathologist in the US or Canada, you should contact the American



## Get in touch!

[www.tcd.ie/sllscs/clinical-speech-language](http://www.tcd.ie/sllscs/clinical-speech-language) | [E csllsec@tcd.ie](mailto:csllsec@tcd.ie) | [T +353 1 896 1496](tel:+35318961496)

# Deaf Studies

B.St.Su. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR016	338	20	4 years

## What is Deaf Studies?

The Centre for Deaf Studies in Trinity affords students the opportunity to develop insights into, and genuine appreciation for the culture, contributions, and contemporary issues related to Deaf people in Ireland and worldwide. The undergraduate programme is the only one of its kind in Ireland. Irish Sign Language (ISL) is the indigenous language of the Deaf Community in Ireland and is the working language at the Centre for Deaf Studies.

ISL is a language like any other language, but it happens to use signs rather than sounds. There are many different sign languages in the world in the same way as there are different spoken languages.

ISL is one of the many signed languages recognised by European Institutions and Northern Ireland. During the four year course students develop fluency in ISL. As a student you may choose to specialise as an ISL/English Interpreter, an ISL teacher or to focus on Deaf Studies. Students entering the Deaf Studies programme will explore a range of educational, social, cultural, linguistic, and psychological issues and their application to Deaf people, as individuals, as a community, and as a linguistic and cultural minority.

The multi-disciplinary approach to your studies is led by a strong academic team, many of whom are Deaf. It will provide in-depth training that prepares undergraduates for a number of exciting career options working with Deaf people, in education, community and a range of other service settings e.g. as a disability officer, resource officer, research assistant or as an administrator in Deaf community organisations. With this foundation, students frequently go on to postgraduate study.

## Deaf Studies: The course for you?

Deaf Studies is the right course for you if:

- ▶ You are interested in studying Irish Sign Language (ISL), Deaf culture and aspects of the Deaf community
- ▶ You wish to acquire an understanding of the Deaf community as a part of human diversity
- ▶ You wish to spend your professional or social life after graduation in the Deaf community, or to make further contributions in a chosen academic discipline
- ▶ You are hearing, Deaf or hard of hearing – all are encouraged to apply and no prior knowledge of sign language is required

## WHAT OUR GRADUATES SAY

### Jenny Healy

Looking back at my time spent in Trinity I feel quite fortunate to have been a student there. I made friends for life and gained the knowledge, tools and confidence needed to find my dream job after university. I am now working as an Irish Sign Language teacher, which is an exciting and fulfilling job that allows you to work with both adults and kids.



## Deaf Studies at Trinity

The Centre for Deaf Studies in Trinity has an international reputation for its work: we bring approaches from across many disciplines (linguistics, equality studies, psychology, education, disability studies, gender studies, interpreting studies, social policy and digital humanities) to bear on our work with Deaf communities.

We engage closely with the Irish Deaf community and students will have the opportunity to learn from many of the world's leading scholars in this discipline who collaborate with the Centre for Deaf Studies (CDS) staff.

Do you think  
you will enjoy...

Learning to communicate  
through ISL?

Learning a language  
in a small group setting?

Working with a minority  
community?





## Special entry requirements

Leaving Certificate	H4	English
	O6/H6	In a language other than English
Advanced GCE (A Level)	Grade C	English Literature (A or B) or English Language (A or B)
GCSE	Grade C	In a language other than English



## Pathways

The pathways available are Single Honors and Major with Minor. See page 25 for further information.

## Graduate skills and career opportunities

Graduates frequently work in Deaf organisations, for example as a resource officer or combined with another skill set, such as teaching, ISL interpreting, child care, social work, public service bodies, the Civil Service or the media. There is also scope for further study or research in areas such as linguistics, communications, anthropology, multiculturalism, gender studies or law.

## Your degree and what you'll study

The programme in Deaf Studies draws on a core faculty with interests in Irish Sign Language and Deaf Studies, as well as other faculty within the University and the School of Linguistics Speech and Communication Sciences, with expertise in bilingualism, biculturalism, reading, literacy, linguistics and applied linguistics, cognitive and language development, language teaching, special education, and counselling. This course gives an in-depth understanding of the Irish Deaf community and of the experience of Deaf people internationally, historically and in contemporary society. Core courses detailing the history, education, literature and language of the Deaf will be taught by both Deaf and hearing staff.

ISL is studied across the programme. In years two and three, themes such as Deaf education, Deaf people in the media, the legal and political standing of signed languages and access to critical public health services are explored, along with understanding of the

structure of ISL, the sociolinguistic context and the path to acquisition of a signed language for deaf children. For ISL/English interpreting students, translation theory and the practical skills of interpreting, guided by ethical practice, are emphasised in third and fourth year.

For students taking the ISL teaching route, aspects of the psychology of education are introduced, along with guidance on planning and implementing a curriculum and assessing student performance. Students in the third and fourth year complete a Capstone research project.

Across the four years of the degree you will develop a high level of competency in ISL skills. Language teaching is mapped to the Common European Framework of Reference for Languages (CEFR, Council of Europe), so you will be able to map your progress against your knowledge of other languages. Competence in Irish Sign Language is fundamental to gaining an in-depth understanding of the Deaf community and is a requirement of the programme.

## Theoretical Component

Theoretical courses introduce you to aspects of language acquisition, linguistics, sociolinguistics, social policy, and social studies. Each theoretical course involves two hours of lecture time per week plus an expectation of self-study.

## Assessment

The course employs a wide range of teaching, learning and assessment strategies. Both continuous assessment and end of semester exams are undertaken across the four years. The range and diversity of assessment formats account for varying student learning styles.

## Study abroad and internship opportunities

Students undertake practical placements in the third year and whilst students are usually placed in an Irish organisation, it is possible, by special arrangement, to arrange a placement abroad.

### WHAT OUR CURRENT STUDENTS SAY

#### Kate Privett

Since I was accepted into Deaf Studies three years ago, I have been immersed into a brand new culture and language that I have fallen in love with. I am currently studying under the interpreting strand, one of three available in the course. Although it can be stressful, it is extremely rewarding and I am now working towards a career as an Irish Sign Language Interpreter, and hope to further my studies in the future.



## Get in touch!

Further information and contact details: Centre for Deaf Studies, School of Linguistic, Speech and Communication Sciences  
[www.tcd.ie/slscs/cds](http://www.tcd.ie/slscs/cds) | [cdsinfo@tcd.ie](mailto:cdsinfo@tcd.ie) | [+353 1 896 1560](tel:+35318961560)

# Drama and Theatre Studies, and Drama Studies

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR025	442	17	4 years
Joint Honors (see below)	400-499	24	4 years

TR025 Drama and Theatre Studies is studied as a Single Honors subject AND Drama Studies is studied as a Joint Honors subject with one of the following options:

TR276 English Literature

TR311 Film

TR323 Modern Language \*  
(Italian, Russian, Spanish)

TR635 Music

TR755 Sociology

\* See page 86 for language options and requirements

## What is Drama?

Drama exists on and off the stage; that, we call theatre. It happens in our everyday life, and is the basis for story-telling and other forms of performance within the creative arts. It has its origins in sacred ritual and remains central today as part of our sensemaking as we negotiate our place in the world. As with other creative arts, Drama and the insights from studying performance can be applied in the fields of medicine, politics, education and more.

Theatre Studies encompass all the arts that make up the live experience we call theatre – including costume, lighting, sound, devising, directing, design, dramaturgy and playwriting. We also study the meaning behind theatre, analysing culture and politics, space and place, the presence of audience and performers, and the use of digital technology.

## Drama: The course for you?

All Drama pathways explore the relationship between the theory and practice of Drama and Theatre to discover how and why they work. The strong developmental emphasis of the courses requires a particular blend of practical and academic skills. In addition to a high level of analytical ability and creativity, you will need to possess resourcefulness and self-motivation.

Teaching is by lecture, seminar and workshop, with a strong emphasis on experiential learning and practice-based research through theatre laboratory and production opportunities. This leads to a relatively high number of contact hours with other students for group projects, as well as the regularly timetabled taught classes. You will need to be a team player to succeed on this course.

Single Honors students combine Drama Studies with Theatre Studies throughout their degree, whilst Joint Honors students combine it with another subject outside of the Drama Department. Opportunities are available for Joint Honors students to engage more extensively in practice in their third and fourth years, if they select an exit pathway that includes Drama.

## Drama at Trinity

Drama at Trinity is housed in the purpose-built Samuel Beckett Centre, home to the Samuel Beckett Theatre, the Players Theatre, a dance studio/rehearsal space, seminar rooms and offices. All our full-time staff have theatre-making experience and are published academic writers, active both nationally and internationally. Some third and fourth year modules are taught by visiting specialists, including award-winning designers, directors, performers and playwrights any of whom are alumni from the course.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Many of our graduates seek employment in theatre or related professions and a large percentage of today's Irish theatre-makers are alumni. Some graduates opt to take further training or apprenticeships, whilst others go



## Do you enjoy...

Working as part of a creative team?  
Putting theory into practice?  
Hands on practical experience?  
The study of drama and theatre is a study of the human condition as explored and expressed through these creative arts.



## Special entry requirements

These are restricted entry courses. Therefore, applications must be submitted to the CAO by 1 February of the proposed year of entry. If you indicate Drama Studies or Drama and Theatre Studies as a choice of subject, you will be sent a questionnaire to complete in March. Based on the completed questionnaire, some applicants will be called to attend a workshop and interview (during April and May), before final selections are made.



### WHAT OUR GRADUATES SAY

#### Saoirse Anton

I have had the chance to nurture interests I already had, such as theatre criticism and writing about theatre, and I have discovered ones I would never have thought of before, such as programming, curating and arts policy.

straight into working in specialist areas of theatre, film, or television (such as directing, acting, design, playwriting, management, community drama and teaching). Some have formed their own theatre companies; many have won awards. Others have chosen research careers beginning with further study at postgraduate level. Even for graduates who decide not to pursue theatre as a career, the core skills of research, writing, organisation, collaboration, and interpersonal communication that they gain on the course last a lifetime.

## Your degree and what you'll study

### First and second years

First and second years will provide you with a foundation in the skills and vocabularies of the theatre historian, analyst and practitioner. During these years, the course introduces drama, theatre and performance, and places them in a contemporary and relevant context. Teaching is by lecture, seminar and practical workshop, covering Theatre History (from the Greeks to the present), Performance Analysis, and Contemporary Performance Research (including studies in semiotics, feminism and gender, dramaturgy, postmodernism and more). Single Honors students also take courses in practical areas of theatre (Embodied Practices, Performance and Technology, and Crew Rotation). Training in study, research, and writing skills is provided to support you with the academic elements of the course.

### Third and fourth years

All students take a compulsory module in the contemporary performance research strand alongside their own choice from a range of optional modules, striking a balance between the academic and the practical nature of the course (based on your chosen exit pathway).

The range of modules allows you to favour study in historical and theoretical fields or in practical aspects of theatre. The range of options may include theatre and Ireland, Shakespeare and Embodiment, stage, costume and lighting design, playwriting, devising, directing, theatre management, acting, performance and technology, women and theatre, and applied drama and theatre. Students exiting through Drama as a Major, Joint Honors, or Single Honors subject also complete a staff-supervised Capstone project. The Drama Capstone project allows students to integrate their interests into an individual research submission (such as a long dissertation or blended practice-as-research).

### Assessment

Assessment is by a combination of essays, reflections, practical assignments, class presentations, oral examinations and students exiting through Drama as a major, Joint Honors or Single Honors subject are required to complete a Capstone project.

## Study abroad

You may apply to spend third year studying abroad at a European university as part of the Erasmus exchange programme or at one of Trinity's non-EU partner universities.

## Other courses you might enjoy

Acting, page 50

Diploma in Acting and Theatre, page 52

Stage Management and Technical Theatre, page 54

### WHAT OUR GRADUATES SAY

#### Fenna Von Hirschheydt

I am an international student who came to Ireland in order to study drama. I was first attracted to the course because it covers such a wide range of aspects of theatre. It is a great introduction and allows students to specialise in areas they have discovered for themselves. I, for one, joined the course wanting to become a director and will now most likely end up as a set designer.



[www.tcd.ie/drama](http://www.tcd.ie/drama) | [E rgreene@tcd.ie](mailto:rgreene@tcd.ie) | [T +353 1 896 2266](tel:+35318962266)

[f www.facebook.com/dramatcd](https://www.facebook.com/dramatcd) | [T @dramatcd](https://twitter.com/dramatcd) | [@CreativeArtsTCD](https://www.instagram.com/CreativeArtsTCD)

# Bachelor in Acting

(non-CAO)

B.Histr. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Non-CAO	Non-CAO	16	3 years



## What is the Bachelor in Acting?

This is a three-year, full-time, intensive honors degree for anyone who is serious about acting and wants to become an actor. The structure and contents of this degree have been designed in consultation with the Royal Academy of Dramatic Art (RADA) in London and consists of a practical skill based course that enables students to learn by doing. The UK and Ireland's leading theatre practitioners form the core panel of teachers within The Lir Academy and a number of visiting international directors, actors, playwrights and producers are regularly scheduled to take workshops, manage projects and lend their expertise to the learning experience. Students will be taught in acting technique, voice, movement, and singing, as well as complementary classes in dramaturgy and text analysis, over six semesters (two per annum).

## Bachelor in Acting: The course for you?

Being an acting student at The Lir Academy at Trinity is completely different to being a student on other drama courses. While students of degree courses in drama might be in taught classes for approximately 14 hours per week, students at The Lir Academy can expect to be in classes, workshops and rehearsals on average for 35 hours per week, and sometimes more when in production. Training for the theatre at The Lir Academy is founded on the basic principle of simulating the working environment of a professional theatre.

The teaching is intense and offers a high degree of individual tuition. Acting students are expected to maintain a healthy lifestyle in order to cope with the physical demands and stamina required by the training.

## WHAT OUR GRADUATES SAY

### Eanna Hardwicke

I chose to study at The Lir Academy at Trinity College Dublin because of its strong reputation for theatre and the arts. I got a great feeling during my visit at the open day and also going through the audition process at The Lir – it felt ambitious yet caring, traditional and also ground breaking. My early experience of the staff was that they were outstanding, kind and approachable.

Only students who are fully committed to pursuing a career as a professional actor should consider this course. Students who are unsure of their career path at this stage should consider applying for the Diploma in Acting and Theatre at The Lir Academy, Drama Studies or Drama and Theatre studies.

## Bachelor in Acting at Trinity

The Lir Academy was developed by the partnership of the Cathal Ryan Trust and Trinity and opened its doors to the first students in September 2011.

The depth and breadth of the training is supplemented by guest lectures and workshops from leading international figures of stage and screen.

The training offered by The Lir Academy takes place in a custom built building at Grand Canal Quay, designed specifically for a range of courses in acting, design, directing, lighting design, stage management, technical theatre and playwriting.



## Do you enjoy...

Intensive, immersive training with theatre professionals who are focused on ensuring you become the best actor you can be?

Growing, developing and learning in a friendly fun and safe environment?

Performing on stage, on film or on TV?



## Special entry requirements

This is a restricted entry course. Online applications must be submitted by the beginning of February 2020. This course is not part of the CAO application system. Application forms can be completed online on The Lir Academy website: [www.thelir.ie](http://www.thelir.ie)

Entry is by Audition. Students will prepare a classical, a contemporary and a reserve monologue (which can be either classical or contemporary) for first audition. Each monologue should be no more than three minutes long. Successful applicants at first audition will be required to attend at least one more round of auditions at which voice, movement and group skills will be assessed. The final date for receipt of applications is beginning of February 2020 however, applicants are encouraged to apply from October onwards. Auditions will be held between November 2019 and March 2020.



## Graduate skills and career opportunities

The course is specifically designed to train actors for the theatre, TV and Film. All the training is provided by dedicated theatre professionals with strong industry links. All of the final year productions and showcases are designed to attract international employment opportunities for the students. There is a strong emphasis in the training on career preparation, and students will be taught not only how to work as an actor but also how to sustain a career as an actor.

## Your degree and what you'll study

### First and second years

Students in the first two years of the course take compulsory modules in Acting and Text, Movement Studies and Voice Studies. Teaching is by practical workshop and delivered by professional practitioners. In addition, there is considerable individual tuition to supplement the workshops in all aspects of the course. Students will also be introduced to the techniques of acting for recorded media (film, radio, television).

At the end of second year, students will combine all the skills developed over the two years of training in their first ensemble production to an invited audience.

### Third and final year

Students will be cast in a series of 5 theatre productions, directed by professional theatre directors. Each production will have multiple performances over a 7-day period and will play to invited agents, directors, producers, as well as the general public. Students will also be cast in a short film, directed by a professional film director and filmed both on set and on location. The films will receive a public screening. Students will also perform an audition showcase in both Dublin and London before an invited audience of agents and directors.

Assessment in the first and second years is based entirely on a series of practical class presentations in all modules. In third year, assessment is by a series of public performances.

### Other courses you might enjoy

TR025: Drama and Theatre Studies, page 48

Drama Studies, page 48

Diploma in Acting and Theatre, page 52

Stage Management and Technical Theatre, page 54

### WHAT OUR CURRENT STUDENTS SAY

#### Emma Reid

I chose to study the Bachelor of Acting at The Lir Academy because performing arts has always been a life-long love and with arts forming so much of Ireland's identity, I wanted to immerse myself not only in world class education, but be a part of a warm, supportive and strong group of artists who foster emerging and diverse talent and set the standard for artistic excellence in one of the most competitive industries in the world. I never felt like an outsider upon my arrival and was welcomed with open arms into a community I can truly call my family and my home away from home.



## Get in touch!

[www.thelir.ie](http://www.thelir.ie) | [E info@thelir.ie](mailto:info@thelir.ie) | [T +353 1 896 2559](tel:+35318962559)

[f www.facebook.com/theliracademy](https://www.facebook.com/theliracademy) | [T @TheLirAcademy](https://twitter.com/TheLirAcademy)

# Diploma in Acting and Theatre (non-CAO)

Diploma (NFQ Level 7)

Course Code	CAO Points 2018	Places 2019	Duration
Non-CAO	Non-CAO	16	24 weeks

## What is the Diploma in Acting and Theatre?

The foundation course is aimed primarily at school leavers who are interested in preparing themselves for three-year actor training at conservatoire level, either at The Lir or a similar academy. With an additional focus on broadening students' reading and understanding of plays and theatre history, it also prepares students for broader drama degrees and related areas of study and work. The course is taught by a committed team of teachers, including many of The Lir's core acting tutors and teachers from our Master of Fine Art programmes. The personal development of students is enhanced by regular individual tutorials with the course director, a dedicated member of staff who supervises all aspects of the programme.

The course also encourages students to develop their own individual creativity with a focus on collaboration, improvisation and lateral thinking.

## Diploma in Acting and Theatre: The course for you?

This course runs for 24 weeks and culminates in an intensive week of rehearsal and project based work. Classes will take place from Monday to Friday, 6 hours per day and will cover the core subjects of acting, voice and movement as well as physical theatre, dance, text analysis, choral singing, acting for screen, theatre history, audition technique classes and professional development with a focus on career progression. Assessment is based on a series of practical class presentations in all modules.

The course is specifically designed to prepare students for drama/acting degrees and related areas of study and work within the theatre, TV and film industries. All the training is provided by dedicated theatre professionals with strong industry links.

## Graduate skills and career opportunities

The foundation diploma provides the students with a basis in the fundamentals of Acting, Vocal and Movement technique. Students study the main genres of dramatic writing as well as performing these works and developing their own. This training provides the foundation for their future study as actors at Drama Conservatoires as well as for studying academically at B.A. level.

### Do you enjoy...

Devising theatre and film scripts in a creative collaborative environment?

Performing and studying Shakespearean and contemporary plays?

Developing your acting, vocal and movement technique for performance?

### WHAT OUR CURRENT STUDENTS SAY

#### Oliver Flitcroft

The Lir Academy represents the best acting training in Ireland. I received offers from other schools but turned them down for a chance to be part of The Lir Academy and Trinity.

## Your course and what you'll study

This course runs for 24 weeks and culminates in an intensive week of rehearsal and project based work. Classes run Monday to Friday with 6 hours contact time per day. Classes are led by The Lir Academy's regular teaching staff.

- > Core classes in Movement, Voice and Acting
- > Individual Tutorials with dedicated Foundation Course Coordinator
- > Project based work, focusing on classical and contemporary theatre, culminating in week-long intensive rehearsal periods
- > Improvisation and Physical Theatre
- > Text Analysis and Sight Reading
- > Choral Singing
- > Acting for Screen
- > Solo Shakespeare and Shakespeare Scenes
- > Theatre History
- > Audition Technique classes
- > Professional Development and career progression classes, with a focus on professional acting and non-acting based theatre, TV and film careers.

## Other courses you might enjoy

TR025: Drama and Theatre Studies, page 48

Drama Studies, page 48

Acting, page 50

Stage Management and Technical Theatre, page 54



### Special entry requirements

This is a restricted entry course. Applications must be submitted by 4th February 2019. This course is taught by The Lir National Academy of Dramatic Art at Trinity. It is not part of the CAO application system. Application forms can be completed online on The Lir Academy website: [www.thelir.ie](http://www.thelir.ie). Only one application is needed for the Bachelor in Acting degree and the Diploma in Acting and Theatre if students are applying for both courses.

Entry is by Audition. Students will prepare a classical and a contemporary monologue for first audition. Each monologue should be no more than three minutes long. Successful applicants at first audition will be required to attend one more round of auditions at which voice, movement and group skills will be assessed. Auditions will be held between November 2019 and March 2020.



**Get in touch!**

[www.thelir.ie](http://www.thelir.ie) | [info@thelir.ie](mailto:info@thelir.ie) | [+353 1 896 2559](tel:+35318962559)

[www.facebook.com/theliracademy](https://www.facebook.com/theliracademy) | [@TheLirAcademy](https://twitter.com/TheLirAcademy)

# Bachelor in Stage Management and Technical Theatre (non-CAO)

**B. T. (Proc. & Techn.) Honors Bachelor Degree (NQF Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Non-CAO	Non-CAO	16	3 years

## What is the Bachelor in Stage Management and Technical Theatre degree?

This three-year honors degree course offers practice-based training to students who are interested in a career in professional theatre, TV and film. It has been enhanced to provide increased opportunities in specialist areas within stage management and technical theatre (e.g. sound, lighting and construction), increased professional placements and a Capstone research project. Classes on production management, design (set, lighting, costume and sound) and managing your own freelance business will also be introduced during the final year.

## Stage management and technical theatre: The course for you?

Students who undertake this course will need to have a keen interest in stage management, production management, lighting, sound, construction, prop making, costume or set design. This is an intensive course requiring a commitment on average of 35 hours per week, 38 weeks per year.

## Stage management and technical theatre at Trinity

This degree course is specifically designed to train technical staff for the theatre, TV and film industries. Through a series of skills based courses, placements and professional development programmes the course aims to equip students with the necessary skills to realise a professional theatre production. The practical training during the degree course will be complemented with a range of classes including theatre history, principles of stage management and principles of theatre technology. Led by dedicated and experienced theatre technicians and stage managers these classes will reflect best practices in professional theatre.

## Graduate skills and career opportunities

Stage manager, assistant stage manager, lighting operator, sound operator, costume supervisor, scenic and prop maker in local, national and international theatres. Stage management and theatre technician jobs with theatre companies touring nationally and internationally. Technical jobs with companies that support the theatre, TV and film industries such as PSI and Avcom.

### WHAT OUR CURRENT STUDENTS SAY

#### Leanne Vaughey

I've been involved in youth theatre all my life and couldn't see myself going down any other path. I had been to see a show at The Lir Academy in the summer of 2015 and from that point I started the process to apply. I would definitely recommend the Bachelor in Stage Management and Technical Theatre degree because in addition to the technical skills I've learned on the course, I've grown so much as a person and have met people who I will be friends with and work with for the rest of my life.



## Do you enjoy...

Working behind the scenes in a theatre, film or TV production?

The idea of freelancing on the national and international theatre circuits?



Core skills based classes in theatre skills, theatre technologies and theatre studies will be complemented by practice based learning on in-house productions.

### Special entry requirements

This is a restricted entry course. Applications must be submitted by the beginning of February 2020. This course is taught by The Lir National Academy of Dramatic Art at Trinity. It is not part of the CAO application system. Application forms can be completed online on The Lir Academy website: [www.thelir.ie](http://www.thelir.ie)

Entry is by interview and everyone who applies will get an interview. Applicants should prepare a portfolio highlighting their theatre, festival, concert or other relevant experience to date. Interviews will be held between February and June 2020.



## Your degree and what you'll study

### First year

First year is designed to introduce students to practice-based training in all technical departments including lighting, sound, prop making, scenic art, costume, set construction and stage management.

### Second year

Second year will see students apply the skills learned from their first year to a series of theatre and film productions, directed and designed by professional practitioners. Each student will have the opportunity to become a head of department and work alongside their peers to deliver a full production.

### Third year

In year three students will undertake work placements with prominent theatre companies, festivals and industry related companies in order to further develop their chosen area of specialism. Capstone research projects will be assigned according to the preferred career choice of each individual student. Further opportunities as head of department on shows and internal projects are offered in this year.

### Other courses you might enjoy

TR025: Drama and Theatre Studies, page 48

Drama Studies, page 48

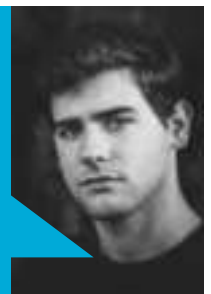
Acting, page 50

Diploma in Acting and Theatre, page 52

### WHAT OUR GRADUATES SAY

#### Adam Moore-White

I have been studying stage management and technical theatre at The Lir Academy for the past three years and I am now coming towards the end of my training. The Lir is a fantastic environment to learn new and further develop pre-existing skills. The atmosphere is welcoming and supportive. I have always been fully encouraged to succeed and take brave steps in new directions that I might not have considered before. I came to the course with an interest in and some training in lighting and stage management and am leaving not just with a vast knowledge and skill set in those areas but also in sound, construction, scenic art and costume. Costume was a new subject for me in first year, but since then it's become a big part of my university experience. I chose to specialise in costume for my dissertation and have taken the role of supervisor for four shows while training at The Lir Academy. Without the support and encouragement I received from the tutors I don't think I would have explored the world of costume, a place where I now really feel at home. I would highly recommend anyone with an interest in working backstage in theatre to consider this course.



## Get in touch!

[www.thelir.ie](http://www.thelir.ie) | [E info@thelir.ie](mailto:info@thelir.ie) | [T +353 1 896 2559](tel:+35318962559)

[f www.facebook.com/theliracademy](https://www.facebook.com/theliracademy) | [t @TheLirAcademy](https://twitter.com/TheLirAcademy)

# Economics

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	498-565	43	4 years

Economics is studied as a Joint Honors subject with one of the following options:

TR198 Geography

TR202 History

TR207 Mathematics

TR208 Modern Language\*  
(German, Spanish)

TR209 Philosophy

TR212 Sociology

\* See page 86 for language options and requirements

## What is Economics?

Any society has to address the problem of how and what to produce for its material survival, and how the goods and services that are produced should be distributed among its population. Economists explore how people and institutions behave and function when producing, exchanging and using goods and services. Economists' main motivation is to find mechanisms that encourage efficiency in the production and use of material goods and resources, while at the same time producing a pattern of income distribution that society finds acceptable.

## Economics: The course for you?

Economics will appeal to students with a wide range of interests. If you are interested in current economic affairs or in understanding how public policies could lower unemployment or assist the developing world, then you will find studying economics both stimulating and rewarding. Economics is also a strong platform for careers in business and finance. Students who enjoy abstract thinking, and are evaluating courses such as engineering or physics, should also consider economics as a degree option.

## Economics at Trinity

In the 2019 QS rankings Trinity was ranked in the top 150 universities in the world for Economics and Econometrics. The Department places considerable emphasis on providing a supportive and stimulating teaching environment for all students. In addition to lectures, which are given by highly qualified academic staff with international reputations, the Department facilitates learning through approachable staff, small tutorial groups, student presentations, and time set aside each week by all staff and teaching assistants to meet students on a one-to-one basis. Furthermore, students gain valuable experience and exposure to economics through involvement in societies and debates and in the annual publication of the 'Student Economic Review.'

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Economics students develop exceptional logical reasoning and analytical skills which are highly sought after by employers in a range of fields including business, finance, journalism, law, politics, the public service and academia.

The following are just a few examples of the diverse organisations where economics graduates work: Dublin Web Summit, Abbott, Goldman Sachs, Google, Credit Suisse, Citigroup, JP Morgan, Accenture, Morgan Stanley, Irish Life, Wolfhound Press, Maersk, Central Bank of Ireland and KPMG.

About a quarter of economics graduates go on to postgraduate study, both at Trinity and at other leading universities around the world such as Stanford, Oxford, Cambridge and the London School of Economics.

## Asking the big questions...

What determines economic growth?

Why are some people paid so much more than others?

Is it possible to pursue economic growth and still protect the environment?



## Special entry requirements

Leaving Certificate	O4/H6	Mathematics
GCSE	Grade B	Mathematics

### WHAT OUR CURRENT STUDENTS SAY

#### Cillian Bissett

Studying economics has given me the opportunity to learn about an incredibly broad spectrum of issues, from government policy down to how individuals make decisions on a day-to-day basis. It helps immensely with developing your ability to think critically, analyse information, and understand more about what is going on in the world today. Studying economics delivers an excellent college experience.

## Your degree and what you'll study

Most of the teaching takes place at lecture level and is complemented by tutorials (small group teaching). In the first two years, teaching emphasises the understanding of the basic principles of economics and the acquisition of the quantitative and analytical skills necessary for more in-depth study. The student will also receive instruction on how the modern economy works both from an Irish and a global perspective. In third and fourth year, there are very few compulsory modules. Students are therefore able to construct their own programme from a wide range of options.

All modules in the first three years are assessed by a combination of continuous assessment (tests or essays) and the formal end-of-semester examinations. Fewer modules are required in the fourth and final year so as to facilitate time for more independent work.

Project work is a very important component of almost all modules within the final year; this project work allows students to achieve a very high level of expertise in a number of specific areas and is very beneficial to students when setting out on their career paths. In addition, students specialising exclusively in economics in fourth year complete a Capstone project on a chosen topic.

### First year

Introduction to Economics, Mathematics and Statistics, Introduction to Economic Policy and a selection of optional modules.

### Second year

Intermediate Economics, Economy of Ireland, Mathematical and Statistical Methods.

### Third and fourth years

Some of the modules which may be available to study are:

Economic Analysis; Money and Banking; European Economy; Economics of Less Developed Countries; Investment Analysis; Economics of Policy Issues; Industrial Economics: Competition, Strategy and Policy; Mathematical Economics; Econometrics; Economic Theory; World Economy; Development Economics; Economics of Financial Markets; International Economics; Economic and Legal Aspects of Competition Policy; Applied Economics; History of Economic Thought and Policy; Topics in Political Economy.

### Assessment

A combination of final examinations and continual assessments (e.g. essays, projects, term tests).

## Study abroad and internship opportunities

Students have the opportunity to spend some time in their third year studying in distinguished partner institutions in Australia, France, Belgium, Germany and the Netherlands for either an academic year or for half an academic year; the majority of outgoing students go abroad for half an academic year. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/economics/undergraduate/current/study-abroad](http://www.tcd.ie/economics/undergraduate/current/study-abroad)

### Other courses you might enjoy

TR015: P.P.E.S., page 108

TR081: B.E.S.S., page 30

### WHAT OUR GRADUATES SAY

#### Emmet Kearns

##### Hedge Fund Associate Analyst

I chose to study Mathematics and Economics at Trinity, hoping to strike a balance between theory and application. The course more than delivered; in first and second year, the degree offered an incredibly wide theoretical base which allowed students to discover where their interests really lie. In the final two years, I was then able to begin selecting more specialist modules, focusing on areas of interest such as Statistics, Data Science, Game Theory and Spatial Economics.

For me, the greatest competitive advantage of the course was the focus on writing novel research papers across my third and fourth years, providing a huge head start in academic research while pushing us to ask novel questions, tie together economic theory and empirical research at an early stage and focus on being creative in our approach. Supporting this, the professors (particularly those in the Economics department) were unrivalled in their commitment to students.



[www.tcd.ie/economics](http://www.tcd.ie/economics) | [E econsec@tcd.ie](mailto:econsec@tcd.ie) | [T +353 1 896 1043](tel:+35318961043)

Student profiles: | [f www.facebook.com/sspalumni](https://www.facebook.com/sspalumni) | [www.tcd.ie/economics/undergraduate/testimonials](http://www.tcd.ie/economics/undergraduate/testimonials)

# English Studies and English Literature

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR023	487	40	4 years
Joint Honors (see below)	499-506	91	4 years



English has the following entry options: TR023 Single Honors English Studies AND Joint Honors English Literature options as follows:

- TR166 Classical Civilisation
- TR228 Classical Languages
- TR262 History
- TR263 History of Art and Architecture
- TR269 Philosophy
- TR272 Sociology
- TR276 Drama Studies
- TR277 Modern Language\*  
(French, German, Irish, Russian, Spanish)
- TR312 Film
- TR664 Religion

\* See page 86 for language options and requirements

## What is English?

Students have the option of studying either English Studies (Single Honors) or English Literature (Joint Honors).

## English Studies (TR023)

The study of English is concerned with the history and practices of writing in English and encompasses literary works spanning English, Anglo-Irish, American and post-colonial cultures. It aims to develop a thorough knowledge of the history of these literatures while also enabling students to develop a sophisticated critical consciousness and an awareness of critical and cultural theory. Compared to English Literature (Joint Honors) students, English Studies students cover a longer historical range (including before 1300) and also consider topics such as Popular Literature and the Literature of Childhood.

## English Literature (Joint Honors)

English Literature covers a broad range of literatures written in the English language, from Chaucer to the present day. The aim of the course is to help students acquire a sense of the development of literatures in English over time and space and a rich array of critical techniques and questions. While Joint Honors students study a range of genres, periods and national literatures, the course is less comprehensive than that of the Single Honors programme.

## English: The course for you?

If you want to study the whole range of developments in English and related literatures, from their earliest beginnings through to contemporary studies in the language, you would enjoy either English Literature or English Studies. If you are interested in English Literature in conjunction with another field (such as History or Philosophy), Joint Honors is probably the best option for you; conversely, if your primary interest in English, you might consider English Studies.

## English at Trinity

Trinity is ranked 28th in the world for English Language and Literature (QS World University Rankings by Subject 2019). Our commitment to small-group teaching means that you will benefit from close personal staff supervision, so that your writing and discussion skills develop.

Our English courses have been designed to develop independence of critical thought and the articulation of informed discussion, both oral and written. Much of your work will be undertaken independently, and you will have at your disposal the resources of one of the world's great libraries, with rich resources in the full range of literature in English.

The School of English also co-ordinates many non-syllabus activities, such as lecture series, conferences and symposia, guest lecturers (such as Anne Enright, winner of the 2007 Man Booker Prize, and Paula Meehan, the Ireland Professor of Poetry) and visiting writers including Richard Ford, the Pulitzer prizewinning author.

The School actively supports several journals of creative and critical writing by undergraduates. Many of our students are involved in student societies, where they take part in activities such as journalism, debating and theatre. In this way we ensure that your time studying English at Trinity is exciting and intense.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.





## Special entry requirements

Leaving Certificate	H4	English
Advanced GCE (A Level)	Grade C	English literature (A or B) or English language (A or B)



## Graduate skills and career opportunities

Trinity's School of English graduates gain leading roles in intellectual, professional and public life. The skills developed by students of English are in high demand from employers, especially in journalism, broadcasting, teaching, advertising, marketing and business, arts management, publishing, law and diplomacy. Recent graduates work in Google, the Irish Times, the Department of Foreign Affairs, RTÉ and PwC.

The four-year degree provides an outstanding platform for postgraduate study in English, and usually about 30% of our graduates go on to read for a higher degree in English (master's degree, Ph.D. degree).

Many well-known creative writers are Trinity English graduates, including Eavan Boland, Deirdre Madden, Michael Longley, John Connolly, Derek Mahon, Brendan Kennelly, Anne Enright, Paula Meehan and Sally Rooney.

## Your degree and what you'll study

The English courses are designed so that the first year consists of compulsory modules, taught through a combination of lectures and tutorials. In the second year there are further compulsory modules, but you will also take open modules outside English. In the third and fourth year, students choose between a large number of option modules in English, reflecting the great variety of expertise among the staff.

### First and second years

The first and second year provide an introduction to a variety of critical theories, practices and approaches to literature. You will primarily concentrate on selected prescribed texts. Examples of first and second year modules include: Genres, Irish Writing, Imagining the

Middle Ages, Shakespeare, Writing Childhoods, Pulp: Introduction to Popular Literature, American Literature, Postcolonial Literature and Imagining the Contemporary.

### Third and fourth years

In the third and fourth years, you will choose most of your modules from a wide range of specialist options. By fourth year, modules are taught at an advanced level in small group seminars. Examples of third and fourth year modules may include: Creative Writing, Ulysses in Contexts, African and Caribbean Literature, Irish Crime Fiction, Global Shakespeare, Modernism, American Writing, Children's Literature, Popular Literature, Seven Basic Plots, Art Writing, History of the English Language and a Capstone project.

### Assessment

Assessment is by a combination of submitted essays, journals, dissertation and end-of-semester examinations. In first and second year the weighting is approximately 66% submitted work and 33% final examinations. In third and fourth year it may vary depending on the modules chosen, although submission of a Capstone project is compulsory for all final year students.

English Studies is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

## Study abroad

Students in the School of English may apply to study abroad on the Erasmus programme in Europe or on an exchange in the U.S., Australia, Canada, Singapore and China during their third year. For more information on study abroad destinations and requirements visit: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)



[www.tcd.ie/english](http://www.tcd.ie/english) | [E english@tcd.ie](mailto:english@tcd.ie) | [T +353 1 896 1111 / 2301 / 1839](tel:+35318961111)

Visit us: If you are considering studying for an English degree at Trinity but want to be sure, you are most welcome to attend first and second year lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit.

# European Studies

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR024	532	45	4 years



## What is European Studies?

European Studies is a broad-ranging and integrated programme that offers students the chance to learn European languages, and also to study history and social sciences. This programme encourages students to think about our continent in all its complexity, and to analyse Europe's cultures, history, and politics.

## European Studies: The course for you?

If you care about Europe's past and future, if you enjoy studying languages, and have an interest in history, politics, and the workings of contemporary society you will enjoy this course. European Studies is designed for students with a broad intellectual appetite, and who are interested in a range of disciplines and subjects.

## European Studies at Trinity

European Studies at Trinity offers a unique and broad range of languages and subjects to study, and draws on the expertise and dedication of lecturers from a wide range of disciplines. Staff from different departments work together to deliver a fully integrated programme that offers flexibility and choice for students. European Studies attracts students with strong potential from Ireland and abroad.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

The language skills and understanding of a variety of disciplines gained through European Studies allow our graduates to take up opportunities in a diverse range of careers. Recent graduates are employed in international organisations both in Ireland and abroad, in the EU, in the civil service and the diplomatic corps, in business, finance and marketing. Other popular career paths are in consultancy, teaching (in Ireland and abroad), translating and interpreting, journalism and tourism. Many students go on to do postgraduate courses.

## Your degree and what you'll study

You will study two out of seven available European languages: French, German, Irish, Italian, Polish, Russian, or Spanish (German, Italian, Polish, Spanish, and Russian can be studied from beginner level). Both languages are studied equally in the first two years, after which one becomes your Major, and the other your Minor language (because of limitations on studying Irish abroad, Irish is available as

a Minor language only). As well as languages, you will study European history, the history of ideas, and social sciences (politics, economics, and sociology).

## First and second years

In first year, you will study two chosen languages, 'Europe 1500-1800: Power and Culture', and 'Introduction to the History of Ideas', and you will take one introductory module in the social sciences (political science, sociology or economics). In second year, you will continue to study two languages, study the history of Europe in the 20th Century, 'The Making of Modernity, 1750-1820', and will choose from further options in history, politics, sociology, and economics.

## Third and fourth years

The third year is spent at a university abroad studying through the language you choose as your Major language. In the final year, language work focuses on your Major language while coursework for your Minor language concentrates mainly on comprehension and textual analysis. The core course in your final year is called 'Modernity and Society: Ideas and Culture in Europe since 1850'. Additionally, you will choose options from a wide range of modules from history, political science, sociology, economics and a number of culture and literature options from the language departments.

## Assessment

At all levels, you will be assessed by a combination of continuous assessment and exams. We use a mix of traditional and innovative continuous assessment methods: essays, project work, presentations, book reviews and dossiers, podcast creation. Language modules are traditionally assessed by written, oral and aural examinations. Final year students also write a Capstone project.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details page 124.



## Do you enjoy...

Learning languages?

Studying Europe's past?

Thinking about the current  
state of Europe?



## Special entry requirements

Leaving Certificate	H3	If presenting French
	H4	If presenting any other language
Advanced GCE (A Level)	Grade B	In one language other than English or Irish
Or	Grade C	In two languages other than English or Irish (as listed above)

Students study two languages from French, German, Irish, Italian, Polish, Russian and Spanish.

German, Italian, Polish, Russian and Spanish are available from beginner level. No student may study more than one language as a beginner. See note 8 on page 251.

Applicants must present with at least one European language (other than English and Irish) in the Leaving Certificate (or equivalent).

If candidates are presenting one language (other than English or Irish), they must attain a grade of H3 or higher.

If candidates are presenting two or more languages, they must present at least one of French, German, Greek, Italian, Latin, Polish, Russian, Spanish, and they must attain at least the following grades: Leaving Certificate H3 if presenting French and H4 if presenting any other language.

## Study abroad

A year or semester studying abroad is one of the highlights of a student's Trinity experience, and immersing oneself in the language and culture is also one of the most valuable ways of achieving fluency when you are studying a language. European Studies students spend third year abroad in one of our partner universities.

Exchanges have been established with history and political science departments in universities in France (Paris, Strasbourg, Grenoble, and Bordeaux), Germany (Hamburg, Tübingen, Freiburg, and Vienna), Austria, Italy (Pavia, Siena), Poland (Kraków), Russia (Moscow) and Spain (Seville, Salamanca, Alcalá, and Zaragoza). The year abroad may entail additional expenses for students but support funding under the European Union's Erasmus scheme partially offsets this (with the exception of Russia, outside the Erasmus scheme).

## Other courses you might enjoy

TR040: Middle Eastern and European Languages and Cultures, page 82

Modern Language plus another subject, page 100

Modern Languages, page 86

Columbia University Dual B.A., page 124

## WHAT OUR GRADUATES SAY

### Eimhin O'Reilly

I have had a great opportunity to take a broad variety of disciplines in European Studies, and then to specialise in subjects of particular interest to me. Staff and students in European Studies at Trinity come from a range of countries and backgrounds which provides a great context for study. I was delighted to have the chance to spend my third year at a university in Spain. I am going to use the knowledge and skills I have gained from European Studies as I begin my career working abroad.



## Get in touch!

[www.tcd.ie/european\\_studies](http://www.tcd.ie/european_studies) | [european.studies@tcd.ie](mailto:european.studies@tcd.ie) | [+353 1 896 1808](tel:+35318961808)

# Film

## B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR042	new programme	15	4 years
Joint Honors (see below)	467-499	30	4 years

Film has the following entry options:  
TR042 Single Honors Film AND  
Joint Honors Film.

Joint Honors Film can be studied  
in conjunction with the following  
subjects:

- TR311 Drama Studies
- TR312 English Literature
- TR320 Music
- TR324 Modern Language\*  
(French, Spanish)
- TR325 History

\* See page 86 for language options  
and requirements.

In 2020, Trinity is launching its Single  
Honors Film programme. This new  
undergraduate course allows incoming  
students the opportunity to immerse  
themselves in theories and cultures  
of film and to explore their creativity  
in the classroom and outside of it.

### What is Film?

Why do films affect us the way they do? Why did the introduction of sound change film forever? What do we mean by 'independent cinema'? What is a digital story world? These and many more are the questions that Film asks students to consider in small-group lectures and seminars. In addition, over the course of your degree you'll be encouraged to respond creatively to critical issues via projects, presentations, short films and video essays, as well as to develop your screenwriting skills to see if you have a fresh vision to share with the world around you.

### Film: The course for you?

If you dream of becoming the new darling of Hollywood, and of immersing yourself in every aspect of film production, then this is not the course for you! Film at Trinity is built on strong academic and intellectual foundations – core courses include the history of Hollywood filmmaking, introduction to Non-Western cinemas, aspects of European cinemas, Irish cinema and theories of the digital image. As well as conventional essays, you will work in groups to create video essays, podcasts, and digital portfolios. You will be assessed on class debates and on other projects such as programming film seasons. You will also be introduced to basic screenwriting and filmmaking, using the format of the writers' room, and exploring

the potential of the smartphone to create mini-dramas. You will study documentary theory and follow this up by making a short documentary film. In third and fourth year, you will build on the fundamentals you have learnt through more advanced options, while always maintaining a balance between critical learning and practical outputs. In your final year, you will complete a supervised Capstone project.

### Film at Trinity

Performing Arts at Trinity is ranked in the top fifty subjects worldwide in the QS Rankings 2019, reflecting the quality of our teaching and learning. Film students are encouraged to collaborate with other students in the School through shared learning modules and facilities. Equally, students of Film are heavily engaged in DU Film Society and in the student-run film journal, *Trinity Film Review*. Our students regularly attend film festivals, including the Berlin Film Festival and the Venice Film Festival, and organise screenings and film events.

### Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

### Public events: In Conversation

Our 'In Conversation' series of public talks offers students the opportunity to attend talks by leading practitioners. Participants to date include: Lenny Abrahamson, John Butler and Emer Reynolds. All talks are podcast and available on our website.

### Graduate skills and career opportunities

In 2019, Film formed an Industry Advisory Panel. The members of this panel are: Lenny Abrahamson, Aoife Duffin, Gavin Fitzgerald, Paddy Breathnach, Alan Gilsenan, Ed Guiney, Neasa Hardiman, Katie Holly, Lucy Kennedy, Helena Korner, Claire McGirr, Niall McKay, Maeve O'Boyle, Marian Quinn, Ken Wardrop. The panel

### Do you enjoy...

Watching and analysing a wide  
range of films from around the world?

Formulating opinions and arguments  
about film and media culture?

Expressing your ideas critically  
and creatively in words  
and images?



#### WHAT OUR GRADUATES SAY

##### Daniel McFarlane

Film at Trinity provides an in-depth and broad curriculum. One of the greatest things about Film is how small the class sizes are, this means many tutors and lecturers have the time to meet your needs and provide guidance on a one-on-one basis. With the demands of university lecturing, not many other universities provide such a helpful thing.



is available to offer career advice to students and to give talks on careers in the industry. Not all students may wish to enter the film industry (and our graduates will all take further training before being industry-ready), and many have gone on to careers in writing, journalism, marketing, as well as to advanced study.

#### What jobs do Trinity graduates of Film do?

A degree in Film offers career opportunities in many areas such as the film industry; television; journalism; digital media; reviewing and criticism; arts administration; advertising; marketing. Recent graduates of Film Studies at Trinity have gone on to be involved in the film industry in a number of ways, from directing feature length films to editing, scriptwriting, production and administration. A number of our graduates have gone on to further study in film and associated areas. This degree also offers opportunities in the many general areas open to arts graduates, such as administration, teaching, civil and public service.

#### Your degree and what you'll study

Examples of our modules include:

##### First and second years

In first and second year, you will study the following subjects: Introduction to Film Analysis, American Cinema from the Silent Era to the 1930s, American Cinema from the 1930s to the 1960s, Introduction to European Cinemas, Introduction to Non-Western Cinemas, Introduction to Digital Media, Ireland and the Cinema, History and Practice of Visual Analysis, Fundamentals of Filmmaking, Introduction to Screenwriting, Introduction to Editing, Introduction to Film Theory and Criticism, The Film Soundtrack and Documentary Theory and Practice.

##### Third and fourth years

In third and fourth year you will study Digital Storyworlds, Contemporary Non-Western cinemas, Film Theory and Criticism, Melodrama, Russian Cinema, Screening Irish-America, Transnational Cinemas, New Hollywood Cinema, Cult Cinema, British cinema, History and Practice of Visual Analysis, Film Costume and Fashion, Post-Revolutionary Iranian Cinema, Writing for the Big Screen, Writing for the Small Screen, Advanced Editing, Creative Film Practice and Practical Documentary.

##### Assessment

Film students are assessed by a combination of essay, assignment, project, class participation and presentation. In their final year, students will create a screenplay or video essay with an accompanying theoretical rationale of 4,000 words.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

#### Study abroad

Film has Erasmus exchanges with universities in France (Paris and Rennes) and Germany (Freie Universität). Students regularly participate in Non-EU exchanges (at UCLA, USC, University of British Columbia and others). For more information on study abroad destinations and requirements visit: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)



#### WHAT OUR GRADUATES SAY

##### Matthew McInerney-Lacombe

After graduating from Trinity, Matthew went on to graduate from NYU's Tisch School of the Arts with an M.A. in Dramatic Writing, and was honoured with the Outstanding Writing for the Screen, Graduate Award. Matthew sold his first screenplay to Fox Studios, Spring Offensive, which was listed on the Blacklist.

There is so much to say about my time as a Film student at Trinity, but I think the most important thing is just how much I enjoyed it. The movies I watched in class and the ways I was made to examine them developed who I am both as a film fan, and as a screenwriter. The films I was exposed to changed my tastes, while the sensitivity of the teaching allowed me to interrogate not just why I liked them, but also what they were saying, and how they functioned as pieces of art. In Film, being surrounded by both my classmates' and teachers' love of film, the impossibility of making a life in film became possible. I think when you study something you love a B.A. goes from being a requirement for gainful employment, to a really transformative experience.



#### Get in touch!

Please visit our website to find out more | [www.tcd.ie/creative-arts/film](http://www.tcd.ie/creative-arts/film) | [E filmstds@tcd.ie](mailto:filmstds@tcd.ie) | [T +353 1 896 2617](tel:+35318962617)

[@trinityfilm1](https://twitter.com/trinityfilm1)

Alternatively, come and visit us at Trinity's open day or contact Imogen Pollard for more information on our courses: [filmstds@tcd.ie](mailto:filmstds@tcd.ie)

# Geography

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	429-509	45	4 years

Geography is studied as a Joint Honors subject with one of the following options:

- TR029 Political Science
- TR111 Ancient History and Archaeology
- TR198 Economics
- TR322 History
- TR326 Modern Language\*  
(French, German)
- TR332 Sociology

\* See page 86 for language options and requirements

## What is Geography?

Geography is truly interdisciplinary as it spans a broad spectrum of the social, biological, informational and physical sciences. As the world becomes increasingly interconnected, geographers are well placed to bring their understanding and skills to bear on social and environmental issues.

## Geography: The course for you?

Trinity was ranked in the world top 100 universities for Geography (QS World University Rankings by Subject 2019).

In recent years, third and fourth year geography students have been involved in academic staff-led fieldwork from Clare Island to Mallorca, undertaken summer research projects in Kenya, and made digital video documentaries and blogposts as part of their assessed work.

## Geography at Trinity

Geography matters! In contemporary society it is clear that geographical knowledge and experience are more important than ever, helping us know and understand a dynamic and rapidly changing world.

### WHAT OUR GRADUATES SAY

#### Sarah McDonagh

It might be cheesy to say that 'geography rocks' but it's true! Studying Geography at Trinity has left me with more than just an education. Through the wide range of modules offered within the course I have learnt a diverse range of skills which are really relevant in today's society. Not only that, but the chance to partake in field-trips both at home and abroad makes this course an excellent place for forming lasting friendships while learning lots along the way.

Geography at Trinity is a place of intensive and extensive geographical scholarship in Ireland. We teach and research across the discipline, from development theory to coastal modelling, and from climate change to the social economy, all within different contexts, from Nigeria to New Zealand.

We aim to challenge students intellectually and foster and maintain world-class research and teaching in a supportive and collegial atmosphere.

Geography is an integrative subject with an international outlook and openness to interdisciplinary collaboration. The focus in geography is on understanding spatial and temporal change on and of our planet. This allows for making direct connections with other disciplines and sub-disciplines that you will study through this Joint Honors programme.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Do you enjoy...

Learning to understand the way that global environmental change will alter our future?

Finding out about the developing world and geopolitics?

Analysing landscapes and landscape development over time?





## Graduate skills and career opportunities

Geography offers a wide-array of career opportunities for graduates. As geographers, you will be trained to analyse and provide solutions to a broad range of global challenges, ranging from the environmental, to the economic, political and social. The combination of a broad-based discipline and training in highly relevant transferable skills is valued in today's job market, where adaptability and flexibility are widely regarded as assets. A geographical training promotes the cross-fertilisation of ideas, and a strong ability to engage and understand a range of approaches to problem solutions in different professions.

Careers taken up by graduating geography students in recent years include urban and regional planning, environmental consultancy and research, and teaching as well as positions in such areas as financial services, foreign affairs, leisure and tourism and overseas development.

## Your degree and what you'll study

The first year Geography course aims to provide a solid grounding in human, physical and environmental geography, focusing on materials that are dealt with in greater depth in later years. During fourth year, students specialising in Geography undertake a research dissertation and choose from optional modules that include:

- › Understanding Environmental Change
- › Globalisation and African Development
- › Historical Geography I and II
- › Periglacial Geomorphology
- › Environmental Governance II
- › Spatial Analysis Using GIS
- › Stormy Geomorphology
- › Urban Geography: Cities, Space and Culture

## Assessment

A combination of continuous assessment and end-of-semester examination is used.

## Study abroad

There are opportunities for students to spend all or part of the third year studying abroad at Exeter, Bordeaux, Paris-Sorbonne, Prague (Charles University), Utrecht or Stockholm universities.

## Other courses you might enjoy

TR029: Political Science and Geography, page 112

TR062: Geography and Geoscience, page 184

## WHAT OUR CURRENT STUDENTS SAY

### Rachel Skelly

Geography at Trinity is fantastic. It's a small department with its' own building, library, and an incredible librarian! There are so many interesting modules available across physical and human geography; and within those you have the opportunity to focus on the area you're most passionate about. The lecturers really care about their students and want you to get the most out of your time in the department. Through the Geographical Society I've made friends across the years, with postgraduate students and with the lecturers. I honestly can't recommend geography at Trinity highly enough, it has given me a great understanding of the world and really prepared me for the labour-force.



[www.tcd.ie/geography](http://www.tcd.ie/geography) | [E geog@tcd.ie](mailto:geog@tcd.ie) | [T +353 1 896 1576](tel:+35318961576)

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# History

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR003	456	39	4 years
Joint Honors (see below)	506-509	44	4 years



History has the following entry options:

TR003 Single Honors History AND  
TR012 History and Political Science  
AND Joint Honors options as follows:

- TR012 Political Science
- TR112 Ancient History and Archaeology
- TR202 Economics
- TR262 English Literature
- TR322 Geography
- TR325 Film
- TR443 History of Art and Architecture
- TR447 Modern Language\*  
(German, Irish, Russian, Spanish)
- TR449 Philosophy
- TR452 Sociology
- TR454 Religion
- TR554 Middle Eastern, Jewish  
and Islamic Civilisations

\* See page 86 for language options  
and requirements

## What is History?

History is about people. Studying History means studying lives, events and ideas in times and places often very different from our own. History embraces everything from the rise and fall of empires, or the birth of new ideologies, to the contrasting everyday lives of people in a whole range of settings, across time and across the globe. Studying History means developing critical skills, learning to express your ideas and arguments clearly, and becoming self-directed in your studies.

## History: The course for you?

History is a subject for the intellectually curious. It offers an enormous diversity of subjects to explore, questions to ponder and problems to resolve. The History modules at Trinity allow you to study a remarkable range of types of history – whether cultural or political history, military or social history, environmental history or the history of ideas – from the early Middle Ages to the very recent past. We offer survey modules allowing you to grasp the broad patterns in history, specialist modules where you can study topics of particular interest to you in small classes, and opportunities for you to pursue your own independent research.

## History at Trinity

The History department at Trinity offers a remarkably broad range of discipline options for its size. The four-year programme allows students to lay firm foundations in the first two years, with wide-ranging modules on medieval and modern history, Irish, European, American, environmental and global history, as well as on historical methods and approaches. The final two years of the programme allow students the chance to study several specialist modules in-depth and to undertake independent research on a subject of their own choice. The breadth and depth of study in this programme is unique in Ireland and has few rivals internationally.

Trinity is a leading university internationally for the study of History. Our staff has published extensively in the fields of Irish, British, European and American history. We take special pride in the small-group teaching which characterises the final two years of study in particular, and for being a department which places student learning at the centre of its values.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Over many decades History graduates (Single Honors and Joint Honors) have pursued successful careers in a wide range of areas. These include: accountancy, advertising, banking, broadcasting, arts and heritage administration, human resources, journalism, law, public administration, public relations, management, marketing, publishing and teaching. Our graduates work for such organisations as the Irish Times, the Law Society of Ireland, Oxfam, IBEC, the American Chamber of Commerce, RTÉ, Google, the United Nations and Accenture. The diversity of careers reflects the wide array of skills amassed by students undertaking a degree in History at Trinity.

## Do you enjoy...

Undertaking your own research  
into historical questions?

Reading widely and critically?

Expressing and debating your  
ideas in essays, presentations  
and class discussion?





## Your degree and what you'll study

The History programme combines the strength of a broad-based programme in the first two years, introducing all students to the sheer diversity of historical studies, with the freedom to explore areas of particular interest to individual students in the final two years.

The first and second years provide a range of modules covering medieval and modern periods, including Irish, European, and American history, as well as some modules exploring the skills and methods which historians use, and the kinds of debates in which historians engage. Teaching is not only in lectures but in small group tutorials.

All students will have an opportunity to undertake a group project in their second year, undertaking research as a team. The third and fourth years offer a wide range of choice in more specialist modules, all taught by staff with expertise in that field.

There is the opportunity to concentrate on those parts of history which interest you most in the final year Capstone project, an independent project which many students find the most rewarding part of their degree programme.

### First and second years

Single Honors students take modules in Medieval and Early Modern Irish and European history in their first year, as well as modules to introduce the methods and approaches historians use in their studies.

In their second year, students take modules in Modern Irish and Modern European History, in U.S. History and in Global History.

They also take modules exploring how history has been interpreted and presented, not just by professional historians but within popular culture, and they take part in a year-long small

group project. Joint Honors students also take part in the group project in second year, and select from the period-specific modules to make up the History component of their studies.

### Third and fourth years

We offer a range of topics within two different categories:

**List I (Special Subject) modules:** These are specialist modules which involve intensive research and writing based on primary sources. Some examples include:

- Medieval Marriage
- Europe Reformed, 1540-1600
- American Politics and Culture, 1939-1989
- Ireland, Modernity and Empire
- China 1911-1949
- The French Revolution, 1789-1799

**List II modules:** These are broader thematic and analytical modules. Some will have a particular focus on historiography; on how different historians have tried to understand a period or problem.

Some examples include:

- Race and ethnicity in American thought since 1940
- Medieval Globetrotters: Exploration and World Conquest in the Age of the Black Death
- Atlantic Island: Eighteenth-Century Ireland in Oceanic Perspective
- Global Crisis: Environmental Disasters in World History
- German Empires at War, 1914-1945
- The Troubles, 1968-1998; From Civil Rights to the Good Friday Agreement

In any given year there will be a variety of types of history on offer – including political, social, cultural, environmental or intellectual history – ranging in time from Early Medieval Ireland to the post 1945 world, and including Irish, European, American and Asian history modules.

For full details on all our modules see:

**[www.tcd.ie/history/undergraduate/](http://www.tcd.ie/history/undergraduate/)**

Students are assessed through both examinations and coursework in each year of the programme. In third and fourth year the balance is approximately 50% exams and 50% continuous assessment.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

## Study abroad

The Department of History has Erasmus exchange agreements with a wide range of European universities including the University of St. Andrews (Scotland), the Sorbonne (Paris), the University of Vienna and Charles University in Prague. The Department also has an exchange agreement with the University of Tokyo, and students of History can also arrange for a year abroad in other countries, notably the U.S.A., Australia and Canada, where some recent examples would include the University of California, the University of Sydney or McGill University (Montreal).

### Other courses you might enjoy

TR021: Classics, Ancient History and Archaeology, page 36

TR028: Ancient and Medieval History and Culture, page 68

Columbia University Dual B.A., page 124



## Get in touch!

[www.tcd.ie/history](http://www.tcd.ie/history) | **E** [histhum@tcd.ie](mailto:histhum@tcd.ie) | **T** +353 1 896 1020

# Ancient and Medieval History and Culture

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR028	330	16	4 years



## What is Ancient and Medieval History and Culture?

Ancient and Medieval History and Culture concentrates on the period c. 2000 B.C. to c. 1500 A.D. It explores the changes in society, politics, religious practices, and art and architecture that have helped to shape the world we live in. Over the four years of the programme you will explore topics including the development of different systems of government (from democracy in ancient Greece to monarchy and empire in the Middle Ages), the formation of Europe, ancient and medieval belief systems and religious practices (from the pantheon of ancient deities to the dominance of Christianity), the development of the legal system, and the role of warfare in bringing about change. You will have the opportunity to explore developments in educational practices including the emergence of the university, changing attitudes to gender, sexuality and the place of women in society, and the different styles of European art and architecture used in the period.

## Ancient and Medieval History and Culture: The course for you?

If you are curious about the past and about how history has shaped the world we live in then Ancient and Medieval History and Culture will appeal to you. Through the investigation of texts, artefacts and buildings this programme provides an intellectually stimulating encounter with the past, and challenges you to think about a range of cultural, social and political issues. Ancient and Medieval History and Culture is a unique programme that brings together the disciplines of Classics, History and Art History to train you to work across traditional disciplinary boundaries.

## Ancient and Medieval History and Culture at Trinity

The programme in Ancient and Medieval History and Culture is unique in offering a focused study of antiquity and the Middle Ages. As part of the School of Histories and Humanities, you will be able to work with experts in the disciplines of Classics, History and Art History, joining a vibrant community of staff and students in this interdisciplinary programme. As you progress through the course you will be able to choose to focus on particular time periods or themes, culminating in the opportunity to undertake a Capstone research project. You will have access to rich collections of source material, including the

university collections, visits to museums and galleries in Dublin, and opportunities to venture further afield through field trips to other European destinations.

## Graduate skills and career opportunities

Our graduates go on to a wide range of careers including archaeology, journalism, work in museums, marketing, and teaching. Graduates from the School of Histories and Humanities have also entered accountancy, advertising, business, civil service, diplomatic corps, human resources, journalism, management, and publishing. Many also go on to further study.

## Your degree and what you'll study

Ancient and Medieval History and Culture is a four-year honors degree programme. Over the four years you will develop a broad understanding of the ancient and medieval worlds through an analysis of their art, architecture, archaeology, culture and history. These disciplines will be introduced to you in the first year of the programme. The teaching includes lectures, seminars (typically with 10-15 students) and site visits. As your studies progress, the modules become more thematically specialised, with an increasing emphasis on intensive discussion and independent research. In third and fourth years you have the option to choose from a wide range of modules, providing an opportunity for specialised research in areas that particularly interest you.

Our teaching and learning is dynamic, with a strong emphasis on student participation. The programme is assessed through a combination of end-of-semester examinations and continuous assessment (including essays, seminar presentations, group-work projects, and commentaries on sources). Students undertake a Capstone research in the final year.



## Do you enjoy...

Looking at a wide range of source material, including texts, archaeological sites, art and architecture?

Learning about antiquity and the Middle Ages?

Exploring how the past is relevant today?



## Special entry requirements

Note: Ancient and Medieval History and Culture (TR028) is one of three courses that are part of the feasibility study in admissions, and 5 places will be filled under this new route. For further details see page 242.



## First year

Introductory modules in Ancient History or Latin, Art History, and Medieval History. These modules introduce you to key developments in the history and culture of antiquity and the middle ages c. 2000 B.C.-1500 A.D.

## Second year

In the second year all students take compulsory modules in Medieval History, Greek History or Roman Imperial History, and Medieval Art. The remaining modules are chosen from a range offered by the three disciplines, for example Irish, British or European Medieval History, Latin, Architectural History, the Art of the Italian Renaissance, and the Archaeology of the Greek and Roman Worlds. There is an opportunity to take Trinity Elective modules too.

## Third and fourth years

In the third year the only compulsory module explores the city of Rome in antiquity and the middle ages. You may choose other modules exploring aspects of ancient history, medieval history, art history and archaeology. In the final year you will choose two modules and write a Capstone project. Amongst the modules which may be available to study are: Spectacle and Entertainment in the Greek and Roman Worlds; Kings and Cities in the Hellenistic World; Anthropology and the Greeks; Ancient Cyprus; The Vikings c. 790-1100 A.D.; From Kingdom to Colony, Ireland in the Twelfth Century; Kingship, Tyranny and Revolution, 1377-99; Medieval Marriage; Art, Gender & The Body in Renaissance Italy; Art & Architecture in Late Medieval Ireland.

## Study abroad

In the second and third years of the programme students may take part in the annual field trip. These trips allow students to undertake detailed first-hand analysis of sites and objects. Past destinations have included Bruges/Ghent; Canterbury, Cologne, Durham, and Florence.

Students studying Ancient and Medieval History and Culture may apply to spend a year abroad, using the exchange networks of the School of Histories and Humanities.

These include Erasmus programme links with universities in Berlin, Bologna, Bordeaux, Edinburgh, Florence, Geneva, Istanbul, Madrid, Manchester, Paris, Pisa, Prague, Siena, St Andrews, Uppsala and Vienna. In addition, the programme facilitates exchanges with non-European institutions in Australia, Canada, China, Singapore and the USA. Further information on the year abroad programme, and a full list of partner universities, can be found at: [www.histories-humanities.tcd.ie/undergraduate/ancient-medieval/abroad.php](http://www.histories-humanities.tcd.ie/undergraduate/ancient-medieval/abroad.php)

## Other courses you might enjoy

TR003: History, page 66

TR012: History and Political Science, page 70



[www.histories-humanities.tcd.ie/undergraduate/ancient-medieval](http://www.histories-humanities.tcd.ie/undergraduate/ancient-medieval) | E [hdodge@tcd.ie](mailto:hdodge@tcd.ie) | T +353 1 896 2625

# History and Political Science

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR012	534	24	4 years



## What is History and Political Science?

History embraces everything from the rise and fall of empires, or the birth of new ideologies, to the contrasting everyday lives of people in a whole range of settings, across time and across the globe. Studying History means developing critical skills, learning to express your ideas and arguments clearly, and becoming self-directed in your studies.

Political Science is the study of governments, public policies and political behaviours. It's easy to think of issues that we all have opinions about. Should government tax the rich for greater equality? Should it introduce 'green taxes' in order to protect the environment? Questions such as these, along with analyses of political systems, political behaviour, international relations and how democracy works, are at the heart of the study of political science.

## History and Political Science: The course for you?

The History and Political Science course offers the opportunity to study two subjects with close affinities as part of a coherent structured programme. In the first three years of the programme, you will study both subjects. In the fourth year, you may choose

to concentrate exclusively on either subject or to continue with both. The combination allows students to engage with problems past and present, national and international, using a range of approaches, but with an emphasis on self-directed study and the development of intellectual skills.

## History and Political Science at Trinity

Trinity is ranked as one of the top 100 universities in the world for the study of History and for the study of Politics. (QS World University Rankings by Subject, 2019). Both departments offer a remarkably broad range of module options for their size. The four-year programme allows students to lay firm foundations in both disciplines in the first two years.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Recent graduates are pursuing careers in government and the public sector, media, accountancy and business to name a few. Some graduates each year progress to further study in areas as diverse as medicine, film

production, graphic design and business, as well as areas more closely related to history and political science.

Graduates of the departments work for such organisations as the Irish Times, the Law Society of Ireland, Oxfam, IBEC, the American Chamber of Commerce, RTÉ, Google and the United Nations. The diversity of careers reflects the wide array of skills amassed by students undertaking a degree in History and Political Science at Trinity.

## Your degree and what you'll study

The History programme combines the strength of a broad-based programme in the first two years, introducing all students to the sheer diversity of historical studies, with the freedom to explore areas of particular interest to individual students in the final two years. First and second year provide a range of modules in medieval and early modern Irish and European history (first year), modern Irish and modern European history, U.S. history and global history (second year), as well as modules on the methods used by historians, and participation in a history group project in year two.

In first and second year, the specialist modules available in political science are: Introduction to Political Science, History of Political Thought, International Relations and Comparative Politics. In third and fourth year, political science modules include: Irish Politics, Democracy and Development, Political Violence, European Union Politics, Issues in Contemporary Politics, Political Psychology Political Theory: Contemporary Topics, Autocracy, Contemporary International Relations and African Politics.

History modules may include:

- China 1911-49: From Republican Revolution to Communist Revolution
- From Kingdom to Colony: Ireland in the Twelfth Century
- Europe Reformed, 1540-1600



## Do you enjoy...

Learning how history affects current events?

Formulating opinions, arguments and theories?

Conducting research?



#### WHAT OUR GRADUATES SAY

##### Neil Barrett

##### History and Political Science graduate

The course blends academic theory with real world examples and gives students a deep understanding of current affairs from their historical context to the present. My research and writing skills also improved immeasurably over the course of the degree course. I would not hesitate in advising any student interested in world affairs to apply for this challenging but rewarding course.



- › The Secret Police in Communist Europe, 1917-1989
- › Ireland, Modernity and Empire
- › Ireland in the Age of O'Connell, 1775-1847
- › Revolutionary Britain 1678-1707
- › The Republic of Ireland and the long 1960s
- › Ireland in the 1920s and 1930s
- › American Politics and Culture, 1939-1989
- › Medieval Marriage
- › Global Crisis: Environmental Disasters in World History

#### Assessment

Most modules are assessed by a combination of coursework and examination performance.



#### WHAT OUR GRADUATES SAY

##### Rachael Fitzsimons

Studying History and Political Science has allowed me to cultivate strong research and analytical skills in order to gain a deeper understanding of current affairs at a local, national and global level. The mix of theoretical knowledge and its applicability to real world political developments makes the course a stimulating and engaging one relevant to almost every aspect of life.

#### Study abroad

The Department of History has Erasmus exchange agreements with a wide range of European universities including the University of St. Andrews (Scotland), the Sorbonne (Paris), the University of Vienna and Charles University in Prague as well as an exchange agreement with the University of Tokyo. The Department of Political Science is a partner in Erasmus exchanges with the Institute d'Études Politiques in Strasbourg and Paris, the University of Zurich, the University of Bologna and University of Mannheim. History and Political Science students can also arrange for a year abroad in other countries, notably the U.S.A., Australia and Canada, for example at the University of California, the University of Sydney or McGill University (Montreal).

Political Science modules address such areas as comparative politics, international relations and the history of political thought. The final two years of the programme then allow students the chance to study several specialist modules in-depth.

#### Other courses you might enjoy

TR003: History, page 66

TR028: Ancient and Medieval History and Culture, page 68

Political Science: page 110

#### WHAT OUR CURRENT STUDENTS SAY

##### Ivan McConville

Friends and family who had attended Trinity always spoke so highly of their years here. Not only the academic side of things, but mostly the brilliant social experience that Trinity delivers for students.

History had always been my favourite subject throughout my school years so I prioritised the subject for further study in university. Trinity offered different combinations with other arts and humanities subjects, and having a decent interest in current affairs and politics, I decided to study it with Political Science. Trinity has a great reputation for arts subjects, as well as a brilliant campus and facilities. The college seemed to represent a great opportunity to not only study the subjects I wanted, but also an opportunity to partake in various clubs, meet new people from different backgrounds to myself, and have new experiences from trips away. It seemed to offer the balance with a four year arts course that would let me enjoy my time in university while also earning an esteemed and respected degree.



#### Get in touch!

[www.tcd.ie/history](http://www.tcd.ie/history) | [E histhum@tcd.ie](mailto:histhum@tcd.ie) | [T +353 1 896 1020](tel:+35318961020)

[www.tcd.ie/political\\_science/undergraduate](http://www.tcd.ie/political_science/undergraduate) | [E polsci@tcd.ie](mailto:polsci@tcd.ie) | [T +353 1 896 1651](tel:+35318961651)

# History of Art and Architecture

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR043	new programme	10	4 years
Joint Honors (see below)	379-506	40	4 years

History of Art and Architecture has the following entry options:

**TR043 Single Honors History of Art and Architecture AND Joint Honors options as follows:**

- TR113** Ancient History and Archaeology
- TR173** Classical Civilisation
- TR231** Classical Languages
- TR263** English Literature
- TR443** History
- TR455** Modern Language\*  
(French, Italian, Spanish)
- TR479** Philosophy
- TR665** Religion

\* See page 86 for language options and requirements

## What is Art History?

History of Art and Architecture is about the study of images, objects and buildings. It is unique in developing high levels of visual literacy applicable to a range of career pathways. It explores why works of art look the way they do and seeks to discover what they say about the societies that created them. It develops skills in visual analysis, critical assessment, and communication.

## History of Art and Architecture: The course for you?

History of Art and Architecture will appeal to those interested in museums, galleries, architectural heritage, and visual culture. It provides students with essential knowledge and skills for documenting and analysing works of art and architecture. It hones an ability to describe and critically analyse images, builds a rich visual memory, and develops skills in research and its presentation. Students do not need any previous knowledge of art history or any practical skill in art to take this course.

## History of Art and Architecture at Trinity

Trinity boasts a wide range of expertise in Irish and European art from medieval manuscripts to contemporary art. Direct experience of objects, artworks, and buildings is fundamental to the discipline and Dublin's impressive collections of paintings and sculpture, together with its rich architectural heritage provide an ideal basis for study. The proximity of the University to the city's many museums and galleries renders site visits a central and distinctive feature of the undergraduate programme, and particular emphasis is placed on student engagement with the national collections. The Douglas Hyde Gallery, one of Ireland's leading contemporary art galleries, is situated at Trinity. The University also has a major collection of manuscripts, paintings and sculpture, and a student committee assists the curator in managing this collection.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

In recent years graduates have been employed as lecturers, curators, editors, and writers in universities, galleries, museums, publishing houses and art salesrooms in Ireland and abroad. These include the Victoria and Albert Museum, the Dulwich Picture Gallery, the Universities of Princeton, Oxford, Cambridge, and Saint Andrews, the National Gallery of Ireland, the Irish Museum of Modern Art, the Irish Architectural Archive, and University College Dublin. Graduates have also worked in a broad range of administrative, commercial, and media-based employment and have commented on the usefulness of visual literacy in marketing, public relations, and journalism.

## Do you enjoy...

Looking at and thinking about paintings, sculpture, and architecture?

Exploring the many historical and contemporary meanings to be found in works of art?

Putting into words what you think about the richness and complexity of visual culture?





## Your degree and what you'll study

This course teaches you how to analyse works of art and how to understand and explain their historical significance. You will take a broad range of modules covering the history of painting, sculpture, and architecture from antiquity to modern times. Topics available include early medieval art and architecture, the art of the Italian Renaissance, the art of nineteenth-century France, and the artistic and architectural achievements of the twentieth and twenty-first centuries.

### First and second years

In first year, students take modules that provide an introduction to various aspects of art and architecture, and to the practice of art history. These examine the critical analysis of artworks and structures in various mediums, the importance of iconography, and the different technical methods used by artists and architects from ancient Greece to the present day. In the first year the concentration is principally on Western art, while in second year students can take more focused modules in areas such as the Arts of Japan and Irish art.

In first year, Single Honors students also take modules exploring individual works of art, and how past scholarship and interpretation of art and architecture impacts on our understanding and approaches to art and architecture today. This is developed in the second year, when all students have the opportunity to take modules on the methodologies of art history and the display of art. Students may also participate in a work placements and study trips for credit.

### Third and fourth years

In third and fourth year, students have the opportunity to specialise in areas that are particular interest to them. In third year they can choose from a range of options that may include for example:

- Antiquity and Innovation in Early Medieval Art
- Painting and Sculpture in 17th Century Europe
- Painting and Sculpture in the Italian Renaissance
- Architecture in the 19th and 20th Centuries
- The Age of Rembrandt and Vermeer
- Art in France 1850-1900
- Art and Modernism

These courses comprise a mixture of lectures and small group seminars.

In their final year, students select up to two topics dealing with the art-historical issues at a more specialised level. Where possible, these include the opportunity of studying primary sources and particular emphasis is placed on personal observation and interpretation of original works of art and architecture.

Examples of special subject topics include Art and Architecture in Late Medieval Ireland, Studies in Architecture and Ornament, Early Modern Portraiture, Gender, Art and Identity, Painting in Ireland and Britain c1800-1900, and Irish Modern and Contemporary Art.

### Assessment

Assessment is by coursework, examinations and a Capstone research project.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

## Study abroad

Students studying History of Art and Architecture may apply to spend a year abroad, using the exchange networks of the School of Histories and Humanities. These include Erasmus programme links with universities in Berlin, Istanbul, Madrid, Paris and Pisa. In addition, the programme facilitates exchanges with non-European institutions in Australia, Canada, China, Singapore and the USA.

### Other courses you might enjoy

TR028: Ancient and Medieval History and Culture, page 68



E [arthist@tcd.ie](mailto:arthist@tcd.ie) | E [canavac@tcd.ie](mailto:canavac@tcd.ie) | T +353 1 896 1995

# Law

## LL.B. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR004	533	90	4 years



### What is Law?

Law is an exciting, dynamic subject. Law regulates every aspect of social life: from the contracts that we make when we buy products to the laws that determine when people can be jailed for committing criminal offences, and through to significant political decisions, such as constitutional reforms on marriage or abortion. As a law student, you learn what these laws are, how they work and how they change. You learn the skills of a lawyer: how to research the law, how to make legal arguments, how to use the law to protect and serve your clients.

### Law: The course for you?

The law degree will appeal to you if you are interested in society and how it works, how we regulate the relationships between people. Given the wide range of legal modules, the degree attracts students with a broad range of interests. Those interested in politics are attracted to subjects such as constitutional law. Those interested in business are attracted to subjects as company law and commercial law. Those concerned about injustice, whether at an international or national level, will be attracted to subjects such as international human rights, environmental law, and public interest law. In truth, most students have overlapping interests.

### Law at Trinity

Trinity's School of Law, is Ireland's oldest and most internationally renowned law school. It is the highest ranked Law School in Ireland in both the QS and THE world rankings. We have produced some of the most prolific lawyers of the modern era in Ireland. Our strong network of alumni in Ireland abroad comprises leading lawyers, judges, former UN High Commissioner for Human Rights, Chief Justices, Presidents of Ireland, policy-makers and public representatives.

### Graduate skills and career opportunities

Trinity College Dublin's LL.B. degrees prepare students not only for life as 'lawyers', but also enables them to enter many career fields such as business, journalism, accountancy, banking, insurance, politics, foreign affairs and public policy, both in Ireland and abroad. The skills learned through studying law are useful in all walks of life. A law degree teaches students to think logically and analytically. It also equips students with the ability to carry out research, to apply relevant information to problems, to use language precisely, carefully and objectively.

### Law degrees and professional qualifications

No law degree entitles a person to practise law as a solicitor or barrister. If you wish to go on to obtain a professional qualification, the governing bodies for the profession require that you study certain modules in your primary law degree. Each of our five undergraduate degree programmes is designed to ensure you have the opportunity to take these required modules. Our programmes also offer additional modules currently required for entry into the UK professional bodies.

All students considering a career as a lawyer should consult the relevant professional body of their preferred jurisdiction to ensure they satisfy all entry requirements.

### Your degree and what you'll study

Law at Trinity College Dublin is a four-year honors degree programme. In the first and second years of the programme, we ensure that there is an appropriate balance between the academic and practical aspects of law. In the third and fourth years, you will take modules at a more advanced level. The sophister years allow you to tailor your studies to develop specialised areas of interest, e.g. employment law or medical law and ethics. In your final year of study, you will complete a piece of independent research referred to as the 'Capstone Project'. This allows you to apply and enhance the research skills that you have developed in the previous three years of the programme. Being part of a research group with other students, you will work independently and collaboratively to explore in-depth a topical issue.

### Clinical legal education module

The Law School has long recognised the value of practical, skills-based training. Clinical legal education offers students a valuable opportunity to learn more deeply about the law by gaining practical legal experience. Offered in the final year, 35-40 students undertake a placement in a legal practice setting in a



### Do you enjoy...

Problem solving, critically analysing, thinking, questioning and challenging issues?

History, society, governance and current affairs?

Clear, articulate expression?



## Special entry requirements

Note: Law (TR004) is one of three courses that are part of the feasibility study in admissions, and 10 places will be filled under this new route. For further details see page 242.



partner organisation in the private, public or not-for-profit sectors. Students also attend a lawyering class in which they develop their understanding of professional legal skills and legal ethics. We are privileged to have many of the leading legal practice settings in the State, in each of the private, public and not-for-profit sectors, among our partner organisations which offer placements. The lawyering class complements the placement by enabling students to identify and develop the skills, values and knowledge which is necessary for making the transition from the academic study of law to its application in a real world setting.

### Assessment

Assessment in law degrees is by a combination of coursework and semester examinations. As a reflection of the different teaching practices, a diverse range of assessment methods is used, including case notes, essays, mock trials, reflective journals, mock parliaments, contribution to web-discussion boards, response papers and research dissertations. Students are advised at the beginning of the teaching semester about the assessment methods in each module.

## Study abroad and internship opportunities

Third year students may apply to study abroad in a prestigious European university with the EU funded Erasmus programme. We also have links with leading universities in North America, Australia, Hong Kong and China which you may choose to apply to spend a semester or year in. These programmes

are highly successful and are an extremely popular amongst our students each year. Participating students find that they are hugely enjoyable, academically and culturally rewarding, and a valuable asset to prospective employers. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/law/programmes/undergraduate/year-abroad](http://www.tcd.ie/law/programmes/undergraduate/year-abroad)

### Other courses you might enjoy

TR017: Law and Business, page 78

TR018/019: Law and French/German, page 76

TR020: Law and Political Science, page 80

### WHAT OUR GRADUATES SAY

#### Garrett Simons

My reasons for choosing Trinity were, first, the excellent reputation of the School, and, secondly, the fact that it offered a four-year honors degree course. The course not only allows for a greater choice of modules, but also affords an opportunity to study those modules in depth. The Law School has a very friendly atmosphere. My lecturers were excellent. I particularly enjoyed the Environmental Law course taught by Professor Yvonne Scannell, and subsequently decided to specialise in planning and environmental law.



## Get in touch!

[www.tcd.ie/law/programmes/undergraduate](http://www.tcd.ie/law/programmes/undergraduate) | [E law.school@tcd.ie](mailto:law.school@tcd.ie) | [T +353 1 896 1125 / 1278](tel:+35318961125)

[f www.facebook.com/trinitycollegedublinlaw](https://www.facebook.com/trinitycollegedublinlaw)

Visit the Law school:

If you are considering studying for a Law degree at Trinity but want to be sure, you are most welcome to attend first and/or second year Law lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit and meet with an academic advisor or current student.

See our website and Facebook page for details of the Law Open Day.

# Law and French/German

LL.B. / B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR018 (French)	566	15	4 years
TR019 (German)	488	15	4 years



## What is Law and French/German?

The Law and French and Law and German degree courses satisfy these needs as students graduate with a grounding in Irish Law, fluency in a second European language and knowledge of the general culture, political, economic and sociological make-up of France or Germany. The Law and a Language programmes are taught in collaboration with the School of Languages, Literatures and Cultural Studies.

## Law and French/German: The course for you?

If you like to be challenged and intellectually stimulated, have a keen interest in the cultural, social, historical and political backgrounds of France or Germany and would like to learn a second language, then one of these degrees is for you. Legal training requires the ability to think logically and critically, precise and careful use of language, good writing skills and a facility for articulate expression are key attributes for legal scholars.

## Law and French/German at Trinity

The Law and French and Law and German degree programmes offer a unique opportunity to study core and specialised legal modules but also the language, culture and political systems of France or Germany. Students must undertake an Erasmus year in France or Germany, exposing them to the law of that legal system. The class sizes are small, fostering a close collegial relationship with peers and members of the both schools.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

The increasing Europeanisation of legal practice means that graduates of the law and a language degree programme have much to contribute to the legal and other professions in Ireland, as well as enjoying career opportunities in Europe. In addition to careers in the legal profession, Law and French, and Law and German graduates also find employment in business, journalism, accountancy, banking, insurance, politics, foreign affairs and diplomacy and public services.

## WHAT OUR CURRENT STUDENTS SAY

### Emily Barry

For me, my course allowed me to combine the two elements of law and a language which made the content more broad and engaging. The small class size was such a benefit, particularly at the beginning of the year as it allowed me to easily settle in to college. The German Department feels like a small community, with many opportunities to get involved and get to know lecturers on a personal level, which creates a great support system. Learning about both the German and Irish legal system allowed me to compare the two and added a new element of understanding to my law degree.

## Law degrees and professional qualifications

No law degree entitles a person to practise law as a solicitor or barrister. If you wish to go on to obtain a professional qualification, the governing bodies for the profession require that you study certain modules in your primary law degree. Each of our five undergraduate degree programmes guarantees you that will have the opportunity to take these modules. Students reading for a joint honors law programme, who would like to go into professional legal practice after their degree, will need to ensure they pursue the professional pathway (i.e. taking law as a major subject) from the second year of studies onwards (see opposite). Our programmes also offer additional modules currently required for entry into the UK professional bodies.

All students considering a career as a lawyer should consult the relevant professional body of their preferred jurisdiction to ensure they satisfy all entry requirements.



## Do you enjoy...

Problem solving, critically analysing, thinking, questioning and challenging issues?

Learning about the culture, economic and sociological make-up of France or Germany?

Conversing in and learning French or German?



## Special entry requirements

Leaving Certificate	H3	French (TR018)
	H3	German (TR019)
Advanced GCE (A Level)	Grade C	French (TR018)
	Grade C	German (TR019)



## Your degree and what you'll study

In the first and second years, you will study a variety of legal modules, taken alongside students reading for our other undergraduate law programmes. You will also further develop your language skills through studying a variety of modules on French/German language, politics and cultural studies. New entrants are not expected to be fluent; rather they will develop their language skills through the degree.

The third year is a compulsory year spent studying legal and language-related modules in one of France or Germany's top-ranking universities. This year abroad is designed to enable the student to enhance their knowledge of French/German law whilst perfecting their fluency in the foreign language. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/law/programmes/undergraduate/year-abroad](http://www.tcd.ie/law/programmes/undergraduate/year-abroad)

At the end of the first year of your programme, you can choose to major in law (we refer to this as the 'professional pathway' – leading to the degree of LL.B. (Ling. Franc) or you can major in French/German (resulting in a B.A. degree). You may of course choose to continue studying both subjects equally (B.A. Law and French/German) or move into single honors law

(LL.B.). Students considering a career in the legal profession after their degree will have the opportunity to take all the required modules if they choose the 'professional pathway'. Nevertheless, there will still be ample opportunity to continue with your studies in French/German. In your final year, depending on the pathway that you take, you will have the opportunity to focus on developing areas of interest in Law and/or French or German modules on literature, culture, history and society. You will also be required to complete a research project on a topic of your choice.

For details of the modules that you can take, please visit our websites below.

## Assessment

A combination of assignments and aural, oral and written examinations is used. For information on assessment in other law modules, please see the law entry on page 74.

## Other courses you might enjoy

TR004: Law, page 74

TR017: Law and Business, page 78

TR020: Law and Political Science, page 80

## WHAT OUR GRADUATES SAY

### Yewhoan Hong

The Law School boasts strong diplomatic relationships with various foreign law schools. I was lucky to have spent my third year in Strasbourg, France. Needless to say, it has been a life changing experience: not only was I able to improve my French, I met some great people from all corners of the globe with whom I made many memories. Within the school there are some great minded people. The friends you make here will last your lifetime. This, on top of everything, has made my time here all the more memorable.

## Get in touch!

[www.tcd.ie/courses/undergraduate/faculty](http://www.tcd.ie/courses/undergraduate/faculty)

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[www.tcd.ie/french](http://www.tcd.ie/french) | E [french@tcd.ie](mailto:french@tcd.ie) | [www.tcd.ie/germanic\\_studies](http://www.tcd.ie/germanic_studies) | E [germanic@tcd.ie](mailto:germanic@tcd.ie) | T +353 1 896 1373

Visit the Law school:

If you are considering studying for a Law degree at Trinity but want to be sure, you are most welcome to attend first and/or second year Law lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit and meet with an academic advisor or current student.

See our website and Facebook page for details of the Law Open Day.

# Law and Business

LL.B./B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR017	577	25	4 years



## What is Law and Business?

In our global economy, businesses now deal with more complex issues concerning government regulations and international trade policies. Conversely, the law has had to grapple with constantly evolving commercial organisations and business practices. With the growth in the size of legal practices and the expansion of the work of the legal profession into areas of mergers, acquisitions and taxation, the work of legal graduates and business graduates has blended in many aspects.

This joint degree aims to give you an in-depth understanding in the disciplines of law and business and to develop a critical understanding of both the legal framework of business activity and the economic and commercial context in which law operates.

You will have the opportunity to focus upon the many areas of overlapping interest between the two disciplines, for example, the structure of companies and other forms of business organisation, competition law and regulation of markets, consumer law, labour law, finance and financial markets, taxation, the protection of intellectual property and international perspectives on law and business.

## Law and Business: The course for you?

This course is aimed at individuals seeking a career defined by the application of legal principles and management practices. The programme will provide you with a firm grounding in law along with strong management skills; enabling students to choose from a wide range of career opportunities or further study.

## Law and Business at Trinity

Both the Schools of Law and Business are recognised for their unique and innovative degree programmes and structures. Both schools enjoy a strong international profile, with excellent relationships with Irish and global organisations in both the private and public sectors. See also Law, page 74.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

The programme will provide you with strong management skills and an in-depth specialisation in law. Graduates will be well prepared for demanding and rewarding careers in both the legal and business professions; particularly in areas where the two disciplines coincide. Graduates accept positions in law, business, taxation, finance and accounting, general management, employment relations and the civil service.

During the course, you will have the opportunity to study all of the core modules required by the legal professional bodies, ensuring, if you so wish, that you can seek entry into a legal career both at home and abroad.

## Law degrees and professional qualifications

No law degree entitles a person to practise law as a solicitor or barrister. If you wish to go on to obtain a professional qualification, the governing bodies for the profession require that you study certain modules in your primary law degree. Each of our five undergraduate degree programmes guarantees you that will have the opportunity to take these modules. Students reading for a joint honors law programme, who would like to go into professional legal practice after their degree, will need to ensure they pursue the professional pathway (i.e. taking law as a major subject) from the second year of studies onwards (see below). Our programmes also offer additional modules currently required for entry into the UK professional bodies.



## Do you enjoy...

Problem solving, critically analysing, thinking, questioning and challenging issues?

Learning about the complementary disciplines of business and law in an ever changing global economy?

Advancing your understanding of business practices?



## Special entry requirements

Leaving Certificate	O4/H6	Mathematics
GCSE	Grade B	Mathematics



## Your degree and what you'll study

As a student on this programme, you will take both subjects equally in the first year. Thereafter, you can decide to concentrate more on Law or Business. You will study foundational law and business modules. In the final year, you will complete a substantial piece of independent research, the Capstone project, helping you to hone your research, teamwork and presentation skills. If you would like more detailed information on all the modules offered see: [www.tcd.ie/law/programmes/undergraduate/modules](http://www.tcd.ie/law/programmes/undergraduate/modules) and [www.tcd.ie/business/undergraduate](http://www.tcd.ie/business/undergraduate)

At the end of the first year of your programme, you will have several options in relation to the direction and pathway you would like your degree to take and the award you would like to pursue. You can choose to major in law (we refer to this as the 'professional pathway' – leading to the degree of LL.B. (B.S.) or you can major in business (resulting in a B.A. degree). You may of course choose to continue studying both subjects equally (B.A. Law and Business) or move into single honors law (LL.B.). Students considering a career in the legal profession after their degree will have the opportunity to take all the required modules if they choose the 'professional pathway'. Nevertheless, there will still be ample opportunity to continue with your studies in business. In your final year, depending on the pathway that you take, you will have the opportunity to focus on developing areas of interest in law and/or business choosing from a wide range of modules on offer by both schools.

## Assessment

Innovative teaching and assessment methods are used throughout your four years, comprising amongst many formal examinations, essays, reflective journals, projects, case notes, mooted (web-based assessment), blog contributions and a clinical legal placement module.

## Study abroad

In the third year you may choose to apply to spend one semester or the entire year abroad on either the Erasmus programme or with a partner university with which we have an exchange programme. These exchanges are hugely popular and are academically and culturally rewarding. Law and Business students can currently apply to spend their year in universities in Strasbourg, Uppsala, Madrid, Berlin, Tübingen, Mainz, Singapore, Ohio and Queensland. Further information on the year abroad programme and a list of partner universities can be found at: [www.tcd.ie/law/programmes/undergraduate/year-abroad](http://www.tcd.ie/law/programmes/undergraduate/year-abroad)

## Other courses you might enjoy

TR004: Law, page 74

TR018/019: Law and French/German, page 76

TR020: Law and Political Science, page 80

TR080: Global Business, page 28

TR034: Management Science and Information Systems Studies (M.S.I.S.S.), page 134

## WHAT OUR GRADUATES SAY

### Caoimhe Stafford

For me, the attraction of Law and Business was the breadth of opportunities it offered. The course itself is incredibly interesting and varied, covering subjects as different as constitutional law and marketing, with scope for specialisation in later years. Beyond the classroom, student life in Trinity is unparalleled, and I have enjoyed delving into several pockets of it. Between debating, organising the Trinity Economic Forum and editing the Trinity Law Review I feel that I could have gone down several different paths, and none of them would have been wrong for me. Law and Business gave me the platform to forge my own path.



## Get in touch!

[www.tcd.ie/courses/undergraduate/faculty](http://www.tcd.ie/courses/undergraduate/faculty)

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f [www.facebook.com/TrinityCollegeDublinLaw](https://www.facebook.com/TrinityCollegeDublinLaw) | [www.tcd.ie/business](http://www.tcd.ie/business)

Visit the Law school:

If you are considering studying for a Law degree at Trinity but want to be sure, you are most welcome to attend first and/or second year Law lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit.

See our website and Facebook page for details of the Law Open Day.

# Law and Political Science

LL.B./B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR020	578	20	4 years

## What is Law and Political Science?

The two disciplines of law and political science are intrinsically linked and directly impact every aspect of our daily lives. The role and power of the constitution and judiciary, human rights and international law, the impact of the EU and Irish law are best understood when both subjects are considered. This course provides the opportunity to learn about law and political science and better understand their relation to each other.

## Law and Political Science: The course for you?

If your career or intellectual interests in politics and public service would be strengthened by a knowledge of the law or you are interested in pursuing a legal career and want your study of law to be informed by a wider political understanding, then Law and Political Science may be the course for you. During the four years of studies, students will also have the opportunity to study all of the core subjects required by the legal professional bodies.

## Law and Political Science at Trinity

Both the Department of Political Science and the Law School place great emphasis on innovative thinking and independent thought. We offer a wide-range of research-led modules in the final two years of the programme thus affording you the opportunity to focus on your developing area of interest. Both the Political Science and Law areas are small in size, compared to other universities; however, this fosters a supportive and close relationship with the student body and a number of student societies and publications, notably the Law Society, Free Legal Advice Centre (FLAC), Trinity Law Review, the Eagle Gazette, the Hist and the Phil.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Whether students' career goals lie in public leadership, the legal profession, the media, the civil service, academia, public relations, anything in business that requires knowing how government works, positions in international

organisations such as the EU or a not-for-profit organisation, law enforcement, private practice, or elsewhere, the degree in Law and Political Science will be ideally suited as a platform for attaining those goals.

## Law degrees and professional qualifications

No law degree entitles a person to practise law as a solicitor or barrister. If you wish to go on to obtain a professional qualification, the governing bodies for the profession require that you study certain modules in your primary law degree. Each of our five undergraduate degree programmes guarantees you that will have the opportunity to take these modules. Students reading for a joint honors law programme, who would like to go into professional legal practice after their degree, will need to ensure they pursue the professional pathway (i.e. taking law as a major subject) from the second year onwards (see below). Our programmes also offer additional modules currently required for entry into the UK professional bodies.

All students considering a career as a lawyer should consult the relevant professional body of their preferred jurisdiction to ensure they satisfy all entry requirements.

## Your degree and what you'll study

As a student on this programme, you will take both subjects equally in the first year. Thereafter, you can decide to concentrate more on Law or Political Science. You will study foundational law and political science modules. In the final year, you will complete a substantial piece of independent research, the Capstone project, helping you to hone your research, teamwork and presentation skills.

## Do you enjoy...

Learning about how government works?

Gaining a deeper understanding of the international system?

Problem solving, critically analysing, thinking, questioning and challenging issues?





At the end of the first year of your programme, you will have several options in relation to the direction and pathway you would like your degree to take and the award you would like to pursue. You can choose to major in law (we refer to this as the 'professional pathway' – leading to the degree of LL.B. (Pol. Sci.)) or you can major in political science (resulting in a B.A. degree). You may of course choose to continue studying both subjects equally (B.A. Law and Political Science) or move into single honors law (LL.B.). Students considering a career in the legal profession after their degree will have the opportunity to take all the required modules if they choose the 'professional pathway'. Nevertheless, there will still be ample opportunity to continue with your studies in political science. In your final year, depending on the pathway that you take, you will have the opportunity to focus on developing areas of interest in law and/or business choosing from a wide range of modules on offer by both schools.

If you would like more detailed information on all the modules offered, see: [www.tcd.ie/law/programmes/undergraduate/modules](http://www.tcd.ie/law/programmes/undergraduate/modules) and [www.tcd.ie/political\\_science/undergraduate/module-outlines](http://www.tcd.ie/political_science/undergraduate/module-outlines)

## Study abroad

In the third year of studies, you may choose to apply to spend one semester or the entire year abroad on either the Erasmus programme or with a partner university with which we have an exchange programme. Our exchange programmes are hugely popular and are academically and culturally rewarding. Law and Political Science students can currently apply to spend their year in universities in Helsinki, Paris, Strasbourg, Bologna, Berlin, Tübingen, Mainz, Singapore, Canberra and Queensland. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/law/programmes/undergraduate/year-abroad](http://www.tcd.ie/law/programmes/undergraduate/year-abroad)

## Other courses you might enjoy

TR004: Law, page 74

TR018/019: Law and French/German, page 76

TR017: Law and Business, page 78

TR012: History and Political Science, page 70

TR015: Philosophy, Political Science, Economics and Sociology, page 108

TR081: B.E.S.S., page 30

## WHAT OUR GRADUATES SAY

### Louise Mulrennan

It is very difficult to sum up what I love most about Trinity – from the beautiful historic surroundings and inner city location, to the bright and diverse people I meet every day, to the wide range of societies and clubs anyone can join and indeed, university life never stops moving!

The subject matter, hours and high quality teaching ensure that lectures are relatable, stimulating and accessible for all. It is a course which attracts bright, articulate and diverse people year in year out. The small group size naturally creates a solid foundation for friendships that I know will last well beyond the walls of Trinity.

## Get in touch!

[www.tcd.ie/courses/undergraduate/faculty](http://www.tcd.ie/courses/undergraduate/faculty)

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[www.tcd.ie/political\\_science/undergraduate](http://www.tcd.ie/political_science/undergraduate)

[www.tcd.ie/political\\_science/undergraduate/testimonials](http://www.tcd.ie/political_science/undergraduate/testimonials) | **E** [polsci@tcd.ie](mailto:polsci@tcd.ie) | **T** +353 1 896 1651

**f** [www.facebook.com/Departmentof-Political-Science-Trinity-CollegeDublin-200239959989153](https://www.facebook.com/Departmentof-Political-Science-Trinity-CollegeDublin-200239959989153)

Visit the Law school:

If you are considering studying for a Law degree at Trinity but want to be sure, you are most welcome to attend first and/or second year Law lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit.

See our website and Facebook page for details of the Law Open Day.

# Middle Eastern and European Languages and Cultures

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR040	477	12	4 years

## What is Middle Eastern and European Languages and Cultures?

This degree programme combines the study of languages with the history, politics, cultures and religions of Europe, the Middle East and North Africa. You will gain in-depth knowledge of the current debates about the cultures, histories and religious affairs of the societies of the Middle East and their relationships with Europe. The course is designed to provide you with skills and knowledge in two languages and their regional histories and cultures. Students choose one of Arabic, Hebrew, and Turkish and one from French, Spanish, German, Italian, Russian and Polish. With the exception of French, any of these can be studied at beginners level.

## Middle Eastern and European Languages and Cultures: The course for you?

The course suits those interested in current debates about global issues and international politics. You can explore the connections between regions and peoples, religions and politics, societies and cultures, literature and history and look beyond the narrow focus of Europe.

Students spend third year abroad. Living and studying overseas provides skills and experience preparing you to work in a global context. You can spend one or two semesters at a leading European university. There is also the option to spend a semester at a prestigious Middle Eastern university.

There is a great demand for graduates with a deep understanding of the complex historical relationships between Europe and its neighbours. Unique to this course is the study of the cultural interconnections that shape modern strategic and political interactions. The course is designed in a way that allows you to explore periods and places of interest from the ancient world through to the present day.

## Graduate skills and career opportunities

Students interested in a future in international relations, diplomacy, journalism, working with multinationals and global tech companies, with NGOs, and in careers that demand a deeper understanding of regional cultures and politics should consider the degree in Middle Eastern and European Languages and Cultures.

Graduates with a European and a Middle Eastern language have a competitive advantage when it comes to careers across a wide range of sectors. Many multinational companies are choosing Ireland as base for Europe, the Middle East and North Africa. Graduates of this course are well placed to continue their studies in international relations, languages, history, cultural studies or international business and marketing.

## Your degree and what you'll study

Each year students take a variety of classes that include language, history and culture. You can tailor your classes to develop your knowledge and skills in the areas that most interest you.

### First year

Students take classes in the following subjects: one European language (French, Spanish, German, Italian, Russian and Polish); the history and culture relating specifically to that language; the history and formation of Europe; the history of the Middle East including politics and religion; and the relationship between the Middle East and Europe; and Jewish and Islamic civilizations.

### Second year

Students continue their European language, start a Middle Eastern language (Arabic, Hebrew, and Turkish) and take additional classes on historical and contemporary perspectives on Europe, the Middle East and also their relations.

### Third year

Study Abroad (full academic year)

### Fourth year

All students continue their European language and can choose to keep on their Middle Eastern language. A wide range of subjects are offered to final-year students that build on the specialist knowledge gained in the previous years. Students also undertake a piece of independent research on a topic of their choice (Capstone project).

### Assessment

We use a mix of traditional and innovative continuous assessment methods such as essays, project work, presentations, book reviews and dossiers and podcast creation. It is ensured that students can demonstrate a high degree of proficiency in their chosen language(s). Final year students write a Capstone project (a piece of independent research on a topic of your choice).

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

## Study abroad

Middle Eastern and European Languages and Cultures students spend their third year abroad at a prestigious European or Middle Eastern university. Students benefit by improving their language skills. They also gain valuable experience of other cultures and ways of life.

We currently have links with the following European universities where students can spend a semester or their third year: for Spanish: University of Granada, University of Seville; for French: Sciences Po, University of Geneva; for Italian: University of Naples; for German: University of Cologne, University of Hamburg, University of Vienna. Many of these universities also offer Middle Eastern languages and you may continue the study of your chosen Middle Eastern language while in Europe.

For the semester in the Middle East, we have links with: American University Beirut, Hebrew University Jerusalem and Mohammad V University (Rabat, Morocco).



### Special entry requirements

Applicants must normally present at least one European language other than English or Irish in the Leaving Certificate (or equivalent).

Leaving Certificate	H4	in one of French, German, Greek, Italian, Polish, Latin, Russian, Spanish, Arabic or Hebrew Studies.
Advanced GCSE (A Level)	Grade C	in one of French, German, Greek, Italian, Polish, Latin, Russian, Spanish, Arabic or Hebrew Studies.

Where a student is presenting two languages they must attain at least the following grades:

Leaving Certificate	H3	if presenting French or German.
	H4	if presenting if presenting Greek, Italian, Polish, Russian, Spanish, Arabic or Hebrew Studies.
Advanced GCSE (A Level)	Grade C	in two of French, German, Greek, Italian, Polish, Latin, Russian, Spanish, Arabic or Hebrew Studies.



### Get in touch!

[www.tcd.ie/langs-lits-cultures/meelc](http://www.tcd.ie/langs-lits-cultures/meelc)



[www.facebook.com/trinity.sllcs](https://www.facebook.com/trinity.sllcs)

| T +353 1 896 1141



[www.youtube.com/watch?v=PncBNwMoc-A](https://www.youtube.com/watch?v=PncBNwMoc-A)

# Middle Eastern, Jewish and Islamic Civilisations

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	379-506	10	4 years

Middle Eastern, Jewish and Islamic Civilisations is studied as a Joint Honors subject with one of the following options:

- TR233 Classical Languages
- TR547 Ancient History and Archaeology
- TR548 Classical Civilisation
- TR554 History
- TR563 Modern Language\*  
(French, Italian, Irish, Spanish)
- TR564 Music
- TR565 Religion

\* See page 86 for language options and requirements

## What is Middle Eastern, Jewish and Islamic Civilisations?

The cultures and societies of the Middle East have been deeply influential in shaping European and western values. In spite of this, the region and its peoples are often misunderstood and misrepresented. Middle Eastern, Jewish and Islamic Civilisations is the study of the historical origins and cultures of a wide range of societies of the region, providing students with an insight into the contemporary Middle East and to the challenges of diversity and multiculturalism in an increasingly globalised world.

## Middle Eastern, Jewish and Islamic Civilisations: The course for you?

If you are interested in ancient and modern history, in literature, in religion and philosophy, in the Middle East and its cultures and religions, in the region's relationship with the Western world, this course would be of great interest to you. If you find yourself asking how societies develop their values and perspectives, you will be able to explore how they do so over the course of some of the most exciting periods of human history beginning with the cultures of ancient Israelites, Persians and Babylonians and extending to the contemporary political conditions in the Middle East.

## Middle Eastern, Jewish and Islamic Civilisations at Trinity

Trinity is the only university in Ireland that offers a course in Middle Eastern, Jewish and Islamic Civilisations. It attracts students of social and cultural diversity from Ireland and abroad. Our graduates in Ireland and internationally include lecturers working in European, UK and US universities, as well as graduates working in other areas including museum work, journalism, international relations, teaching, research, human rights and law.

By comparison with other Trinity departments, the Department of Near and Middle Eastern Studies is small in size but has a thriving undergraduate and postgraduate community. Our dedication to small-group teaching makes the student experience particularly rewarding. Amongst our students we foster independent and creative thinking and to facilitate this, lecturers are always ready to meet individual students to discuss academic issues.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

This broad humanities degree in Middle Eastern, Jewish and Islamic Civilisations provides the ideal foundation for those aspiring to careers in public services, foreign affairs, diplomacy, journalism and education. Many of our graduates can be found in these and in other professions.

Students receive a rewarding education in Middle Eastern, Jewish and Islamic history and culture, but also instilled are more general skills, such as critical thinking and problem solving, skills which are highly attractive to potential employers.

## Your degree and what you'll study

At entry, Middle Eastern, Jewish and Islamic Civilisations must be combined with one other subject. In later years, you will be able to select additional subjects and electives.







### First and second years

In first year, you will be introduced to the history of the region and to the history of Jews and Muslims in the context of the Middle East and in the context of Europe and the USA. We offer introductory courses in the Modern Middle East, the historical origins of Judaism and Islam, Ancient Near Eastern history and culture. You will explore the region through literature, film, ancient inscriptions and archaeological evidence. Topics of the first two years include: European powers and the Ottoman rulers, Politics of the contemporary Middle East, the Middle East during the World Wars, Jews in European Society, Islam in Europe, Ancient Empires. You may choose a language: Arabic, Hebrew, Turkish (language study is not compulsory).

From second year, you may choose to commence study of a language, either Arabic Turkish or Classical or Modern Hebrew, or alternatively select all non-language modules or Trinity Electives. In your core course, you will study diverse cultures in the ancient, medieval and modern worlds through political, religious and literary texts, material culture and film. Topics include Ancient Empires of Mesopotamia and the Mediterranean, Arabs in Antiquity, Contemporary Islamic Movements, Human Rights in the Middle East, the History of Jews and Muslims in Europe from the Medieval to the Modern Period, Turkish Cultural History, the History of the Ottoman Empire, and the diversity of cultures and identities in the Modern Middle East and North Africa.

### Third and fourth years

In third year, you may choose to study for a semester or a full year abroad (this is not compulsory). You will continue with your Middle Eastern Language (if you have decided to study a language), or choose from a broad range of options offered by the department of Near and Middle Eastern Studies, open modules and Trinity Electives.

In final year, you will be able to choose special modules from a range on offer. Courses offered in recent years include the Modern Middle East and European Powers, The Decline of the Ottoman Empire, the Middle East and America, The Jews of Egypt and their Encounter with Greek Culture; The Persian Empire, Islam and Gender; Holocaust Representation in Film and Literature, Advanced language.

### Assessment

At all levels, you will be assessed by a combination of continuous assessment and exams. We use a mix of traditional and innovative continuous assessment methods – essays, project work, presentations, book reviews and dossiers and podcast creation. Language modules are traditionally assessed by written, oral and aural examinations. Final year students also write a Capstone project.

### Study abroad

A year or semester studying abroad is one of the highlights of a student's Trinity experience. In third year, students have the opportunity to apply to study abroad in a prestigious European university with the EU funded Erasmus programme. Alternatively, you may apply to spend your third year in leading universities in North America, Australia and Hong Kong. The department of Near and Middle Eastern Studies also has a special exchange programme with Charles University, Prague and with a number of universities in the Middle East.

#### WHAT OUR GRADUATES SAY

##### Thalia Nielsen

Middle Eastern, Jewish and Islamic Civilisations offers such a broad spectrum of topics. I loved the fact that I could tailor my degree to my own interests. Though my interest is mainly in the Arab world, modules in Jewish history were fascinating. As a small department, it is easy to get to know everyone – lecturers and classmates – which had a highly positive impact on my overall experience of university life. After graduating, I went on to do a master's degree in Museum Studies.



### Get in touch!

[www.tcd.ie/nmes](http://www.tcd.ie/nmes) | [E nmes@tcd.ie](mailto:nmes@tcd.ie) | [T +353 1 896 1451](tel:+35318961451)

[f www.facebook.com/nmes.tcd.ie](https://www.facebook.com/nmes.tcd.ie)

Visit us:

If you are considering studying for a degree in Middle Eastern, Jewish and Islamic Civilisations at Trinity but want to be sure, you are most welcome to attend first and second year lectures. If you would like to avail of this opportunity, please contact us by email to arrange a visit.

# Modern Languages

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	331-445	265**	4 years

CAO Code	Language	Modern Language					
		French*	German	Irish*	Italian	Russian	Spanish
TR 667	French*		√		√		
TR 668	German				√		√
TR 669	Irish*	√	√				
TR 670	Italian			√		√	√
TR 671	Russian	√		√			
TR 672	Spanish	√				√	

1. The matrix above shows all possible Language and Modern Language combinations.
2. The Modern Language options will appear in a drop-down menu on the CAO Application. For example, if you are applying for French and German, please select CAO Code TR667 French + Modern Language and pick German from the dropdown list. Or, if you are applying for French and Spanish, please select CAO Code TR672 Spanish and Modern Language and pick French from the dropdown list.
3. French\* and Irish\* are not available at beginner's level
4. German, Italian, Russian and Spanish may be taken either at Leaving Certificate Level (or equivalent) or at beginner's level
5. A student may not study two languages at beginner's level.

\*\* Places for Modern Languages and Modern Languages plus another subject.  
Also see page 100

## Modern Languages at Trinity

In an increasingly interconnected and multicultural world, advanced language skills and intercultural competencies will equip you for a wide variety of careers and will give you a distinct competitive advantage. Language competence is one of the biggest skills gaps in the Irish labour market and language graduates are highly sought after in a variety of sectors.

We invite you to study languages in Trinity's School of Languages, Literatures and Cultural Studies. It is a leading language school in Ireland and consistently ranked in the top 100 languages schools in the world.

Within the Modern Languages programme you study two modern European languages. It is the most intensive exposure to languages and cultures that Trinity College has to offer. You can choose between French, German, Irish, Italian, Russian and Spanish. Apart from French and Irish all languages can be studied from both advanced and beginners level. (See table for all available combinations).

You will study both languages equally at entry level. The Trinity Education system will allow you to maintain both languages equally throughout the 4-year programme (Joint Honors), or offer flexibility for you to decide which of the two languages you choose as your major or your minor subject from the third year on.

Our programmes will give you the opportunity for full immersion into the languages and cultures that you study. They will enable you to acquire a high level of language competence and fluency, combined with an in-depth understanding of the main cultures and societies in which these languages are spoken. The emphasis of our approach is on interactive and communicative small-group teaching, often provided by native speakers, and our students benefit from a great deal of individual attention and support.

## Do you enjoy...

Getting to know and understand other places, people and cultures?

Learning languages to a level where you are competent, confident and fluent?

Engaging with the cultural, linguistic, social and political diversity in the world and acting as a mediator between cultures?





**'A different language is a different vision of life'**  
(Federico Fellini)

## Modern Languages: The course for you?

Studying two languages at Trinity will enable you to develop your skills to a level where you can communicate confidently and competently on virtually any subject and in every situation. Throughout your studies you will experience an intensive and exciting encounter with the people, cultures and societies of the languages you study. You will gain deeper familiarity through the study of their literature, culture, history and politics, and you will gain competencies in understanding and successfully navigating cultural differences. You will also acquire crucial and highly valuable transferable skills such as thinking analytically and independently.

## Graduate skills and career opportunities

Foreign language skills and intercultural competencies constitute one of the biggest skills gaps in the Irish labour market and language graduates are very sought after in a wide variety of careers. Dublin-based headquarters of Google, Facebook, LinkedIn and others are seeking the advanced language and intercultural skills our graduates acquire, and there is currently an acute shortage of language specialists in the Irish secondary school system. Our graduates have exciting careers in a wide range of fields such as cultural and creative industries, translation and interpreting, journalism and the media, publishing and arts administration, diplomacy and tourism, marketing and finance, as well as second and third-level teaching or the civil service. Many go on to take postgraduate courses in areas such as business or law for which a languages degree is an excellent background. The combination of a general languages undergraduate degree with a specialised or professional postgraduate qualification has proven to be highly attractive to employers.

## Your degree and what you'll study

In each of the languages you have typically 8-12 contact hours per week, which roughly divide equally between language learning and studying the culture, literature, history and society of your languages. In beginners languages the emphasis on language is higher in the first year. From year to year students have an increasing choice in respect of which areas to focus on and specialise in. All students complete a Capstone – an independent research project – in their final year. For further details see the entries under the specific languages in this prospectus.

## Study abroad

A year or a semester studying abroad is one of the highlights of a student's Trinity experience, and immersing oneself in the language and culture is one of the most valuable ways of achieving fluency and of gaining deeper intercultural understanding.

For those who choose the Single Honors pathway, study abroad is mandatory in third year (except for Irish). For students combining the study of two modern languages we can facilitate a semester abroad in each, and all our students are strongly encouraged and supported to spend a year or semester in their third year in one of our many partner universities. At a minimum, you will be required to spend two months in each of the countries the language of which you are studying during the course of the degree programme. We have long-established and well-working Erasmus partnerships with top institutions in the countries where our languages are spoken.

## Other courses you might enjoy

If you want to combine the study of a Modern Language with another subject, please see page 100

TR024: European Studies, page 60

TR040: Middle Eastern and European Languages and Cultures, page 82



## Get in touch!

School of Languages, Literatures and Cultural Studies | [sls@tcd.ie](mailto:sls@tcd.ie) | +353 1 896 1706

# French

## B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	330-499	See page 86	4 years



French is studied as a Joint Honors subject with one of the following options:

- TR018 Law
- TR085 Business Studies
- TR114 Ancient History and Archaeology
- TR239 Classical Languages
- TR277 English Literature
- TR324 Film
- TR326 Geography
- TR445 History of Art and Architecture
- TR563 Middle Eastern, Jewish and Islamic Civilisations
- TR636 Music
- TR639 Philosophy
- TR666 Religion
- TR667 Modern Language\*
- TR756 Sociology

\* See page 86 for language options and requirements

### Why study French?

French is a major world language, with a rich cultural and intellectual heritage. Knowledge of the French language and its literature and culture opens up a world of opportunities to those who study them. French is an official working language of many international organisations (UN, OECD, NATO, etc.) and plays a decisive role in world affairs.

### French: The course for you?

If you are fascinated by how other languages and cultures offer a different perspective on the world, French at Trinity could well be the course for you. You will enjoy studying French here if you have a passion for novels, cinema, drama, poetry, literature in all its forms – and if you want to develop your ability to think critically. If you are interested in French and European history, politics and thought, and if you would like to experience French culture first-hand by living and studying in France, then Trinity's Joint Honors degree programmes in French could be for you.

You may also learn French at Trinity by opting for one of the four non-literary degree programmes: European Studies (with French and another language), Business Studies and French, Law and French, and Computer Science and Language (French).

### WHAT OUR CURRENT STUDENTS SAY

#### Mairéad Walsh

I feel blessed to have met such wonderful people, both staff and classmates, who have helped to shape me into an open and inquisitive mind, hungry to travel (across the francophone world and beyond), to work, to further my studies and to ultimately think for myself.

### French at Trinity

French at Trinity is a four-year course providing a breadth and depth of experience that puts our graduates among the most highly qualified in the field. All students are encouraged to go abroad for a full academic year, or a term. There is no better way to learn French than to live and study through the language (see Study Abroad section).

### Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

### Graduate skills and career opportunities

Trinity French graduates are working for Google, eBay, Christian Louboutin, The Abbey Theatre, Amazon, the British Institute in Florence, the Museum of Modern Art in New York or the Centre Culturel Irlandais in Paris. Recent graduates are working in areas as diverse as arts administration, translation and interpreting, diplomacy, tourism, publishing, and investment banking, as well as second-level teaching and the Civil Service. Many go on to take postgraduate courses in areas such as law, marketing and business for which a degree in arts and humanities provides an

### Do you enjoy...

Reading and discussing literature?

Do you relish the challenge of learning to speak and write in a foreign language and interacting with different cultures?

Do you have an interest in history, politics and philosophy?

Would you like to study in Paris, Bordeaux or Lyon?



## Special entry requirements

Leaving Certificate	H4	French
Advanced GCE (A Level)	Grade C	French



ideal background. The combination of an arts degree and a more vocational or professional programme of studies has proved to be highly attractive to prospective employers.

### Your degree and what you'll study

At entry, French must be combined with one other subject. In later years you will be able to select additional subjects and electives.

The development of reading, analytical, and critical skills, through both oral and written exercises in French, form the bedrock of this course. Students are expected to progress to a high level of competence in the four basic linguistic skills of listening, speaking, reading and writing. This includes nurturing an ability to cope with different registers and styles of written and spoken French and to reflect critically on the way the language is used and structured. A range of optional subjects are available over the course of the four years.

#### First and second years

The programme in first year includes an introduction to French language, literature, and history. First year subject areas include: (i) French grammar and grammatical analysis, (ii) written and oral comprehension and (iii) modern fiction, theatre, cinema and poetry. You will spend four contact hours each week working on French language and grammar, and three studying literature and contemporary French history and society. In second year, you will build on this foundation by following courses in the history of French ideas and politics, French literature, French linguistics and in the practice of the French language itself.

#### Third and fourth years

In third and fourth year, a wide variety of optional modules building on courses previously undertaken are available. These range from Renaissance and Enlightenment writing to Romantic and Modern French literature; from French language, politics, society and identity to French critical theory, philosophy, history and cinema. In your final year, you will research and write a Capstone project in English or French on a subject of your choice in consultation with a supervisor.

#### Assessment

At all levels, you will be assessed by a combination of continuous assessment and exams. We use a mix of traditional and innovative continuous assessment methods – essays, project work, presentations, book reviews and dossiers, podcast creation.

Language modules are traditionally assessed by written, oral and aural examinations. Final year students also write a Capstone project.

#### Study abroad

A year or semester studying abroad is one of the highlights of a student's Trinity experience, and immersing oneself in the language and culture is also one of the most valuable ways of achieving fluency when you are studying a language. Single Honors students have a compulsory third year of study abroad and other students are encouraged to spend a year or a semester in their third year in one of our partner universities. At a minimum, you will be required to spend two months in a French speaking country prior to taking your final exams. We currently have exchange agreements with Paris 3 – Sorbonne Nouvelle, Lyon 2, Bordeaux-Montaigne and Orléans universities.

### Other courses you might enjoy

TR039: Computer Science and Language, page 132

TR018: Law and French, page 76

TR024: European Studies – French with German/Italian/Polish/Russian or Spanish, page 60

TR085: Business Studies and French, page 64

TR040: Middle Eastern and European Languages and Cultures, page 82

### WHAT OUR GRADUATES SAY

#### Gary Hartigan Collections Analyst

Studying French at Trinity has been invaluable to my personal and professional development. Studying French allowed me to work in Paris for the summer months and study on Erasmus in Lille for the first semester of my third year. Studying on such a vibrant campus has enabled me to work as a Collections Analyst with French for a large multinational company, liaising and building strong relationships with French-speaking clients on a daily basis.



[www.tcd.ie/french](http://www.tcd.ie/french) | [french@tcd.ie](mailto:french@tcd.ie) | [+353 1 896 1553 / 1333](tel:+35318961553)  
[@tcdfrench](https://twitter.com/tcdfrench)

# German

## B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	372-506	See page 86	4 years

German is studied as a Joint Honors subject with one of the following options:

- TR019 Law
- TR086 Business Studies
- TR177 Classical Civilisation
- TR208 Economics
- TR239 Classical Languages
- TR277 English Literature
- TR326 Geography
- TR447 History
- TR636 Music
- TR639 Philosophy
- TR666 Religion
- TR668 Modern Language\*

\* See page 86 for language options and requirements

### Why study German?

German is spoken by some 100 million Europeans. Studying German at an in-depth level is excellent preparation for the world of work and is likely to make you highly employable in Ireland, the EU, and further afield.

### German: The course for you?

We teach most of our language and culture modules in small groups, which is a considerable advantage when learning a language and sets us apart from most other universities in Ireland and further afield. We also offer Beginners German in first year.

Whether you are a beginner or have completed German to post-Leaving Certificate (or equivalent), with us you will acquire advanced competence and fluency, spoken and written, in the German language. You will also develop reading and communication skills alongside methods of research and analysis in literature, history, culture, film, and society of the German speaking countries.

### German at Trinity

If you are interested in exploring Germanic culture, history, and society from the late 18th century to the present, then our programme is for you. We do this by examining diverse cultural products - prose, drama, film, and material culture.

### WHAT OUR CURRENT STUDENTS SAY

#### Niall Alsalfi

Choosing German as part of my Joint Honors degree has allowed me the opportunity to achieve a deep understanding of German culture, history and literature while also giving me the opportunity to reach an advanced level of spoken and written German. If this sounds appealing to you, then German is a perfect complement to virtually any degree you should wish to study.

### Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

### Graduate skills and career opportunities

Recent UK research suggests that graduates with a degree in German are the highest-paid language graduates. Small wonder: Germany is the largest national economy in Europe and the fifth largest economy in the world. It is a major export destination for Irish goods and the second most important source of Foreign Direct Investment for Ireland. Competence in German gives you a competitive advantage in the domestic job market as well as in the job markets of the German-speaking world. Employers value the language skills of German graduates, and their 'transferable skills': the creativity, confidence, and sensitivity which marks the advanced linguist, and the maturity and flexibility that comes from engaging with another culture, and from experience gained abroad. Recent graduates work for Google, Deutsche Bank, and Enterprise Ireland, also in telecoms, IT, education, public service, the media, law, and in universities in Ireland, Europe, and North America.

### Do you enjoy...

Language learning with native speakers in small groups, theatre rehearsals, debates, and other social activities?

Challenging received wisdom, thinking critically, analytically, independently?



### Special entry requirements

Leaving Certificate	H4	German
Advanced GCE (A Level)	Grade C	German

### Your degree and what you'll study

At entry, German must be combined with one other subject. In later years, you may select additional subjects and electives.

#### First and second years

Throughout your degree, you will have an average of 7 tuition hours per week. The course covers three key areas:

- › Language programme: this builds on the written, oral, and aural skills you acquired at school and develops fluency and accuracy in expression.
- › Area studies introduces you to society, political and cultural issues in modern Germany, Austria, and Switzerland.
- › Literature and textual studies introduces you to key aspects of modern German literature and film, and to reading and analysing literary and non-literary texts in German.

In addition to language classes, second year introduces you to the origins, experience, and on-going impact of National Socialism in Germany (1933-1945). This core module encompasses history, literature, film, and aspects of Memory Studies and Holocaust Studies. Accompanying seminars with a literary, filmic, cultural, or historical focus will enable you to deepen your knowledge of this era and its aftermath.

#### Third and fourth years

In third year, Business & German and Law & German students will study abroad. Other students of German are also encouraged to study abroad. If you stay in Dublin, alongside your language classes you will take a core module in German intellectual history, culture, and literature from the Enlightenment through the 20th century and you will choose from accompanying seminars in literary, cultural, and historical studies.

In fourth year, these specialist interests are extended through advanced options that link undergraduate study to staff research expertise.

#### Assessment

You will be assessed by a combination of continuous assessment and exams. We use a mix of continuous assessment methods – essays, project work, presentations, and journals. Language modules are assessed by written, oral and aural examinations. Final year students also write a Capstone project.

#### Study abroad

A year or semester studying abroad is a highlight of a German student's Trinity experience. Immersing oneself in the language and culture is one of the most valuable ways of achieving fluency when you are studying a language. Single Honors students have a compulsory third year of study abroad and other students are encouraged to spend a year or a semester abroad also. At a minimum, you will be required to spend two months in a German-speaking country prior to taking your final exams. We currently have exchange agreements with Cologne, Göttingen, Konstanz, and Vienna universities.

#### WHAT OUR GRADUATES SAY

##### John Gavin

The German component of my degree has not only prepared me for working in a European business where I speak German every day, but also to cope with the day to day cultural differences, which one faces on a daily basis. Over the past two years working in an international company, I have noticed how my degree has given me a distinct competitive edge in regards to spoken level of German, understanding the German culture, being open to other cultures in general and confidence in public speaking when working in an international environment.

#### Other courses you might enjoy

TR019: Law and German, page 76

TR024: European Studies, page 80

TR039: Computer Science and Language, page 132

TR086: Business Studies and German, page 34

TR040: Middle Eastern and European Language and Cultures, page 82

### Get in touch!

[www.tcd.ie/germanic\\_studies](http://www.tcd.ie/germanic_studies) | [E germanic@tcd.ie](mailto:germanic@tcd.ie) | [T +353 1 896 1373](tel:+35318961373)

Visit us:

If you are considering studying German, but want to be sure, you are welcome to sample some lectures in the department during teaching terms. You may also discuss your options with a member of the teaching staff. Contact us by email or phone.

# Irish (Early Irish and Modern Irish) Gaeilge (Luath-Ghaeilge agus Nua-Ghaeilge)

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR022	344	15	4 years
Joint Honors (see below)	331-506	See page 86	4 years



Irish has the following entry options:  
TR022 Early and Modern Irish AND Joint  
Honors Modern Irish options as follows:

TR114	Ancient History and Archaeology
TR177	Classical Civilisation
TR277	English Literature
TR447	History
TR563	Middle Eastern, Jewish and Islamic Civilisations
TR597	Mathematics
TR636	Music
TR756	Sociology
TR669	Modern Languages*

\* See page 86 for language options  
and requirements

## Early Irish Component

Early Irish can be studied in the Single Honor  
Early and Modern Irish programme (TR022). For  
the Modern Irish element, see the next page.

### Why study Early Irish?

Early Irish is the language in use in Ireland from  
the earliest period for which there are records  
up to the year 1200. The course covers the  
language and literature from the emergence of  
writing at the arrival of Christianity in Ireland to  
the production of the great saga manuscripts  
of the twelfth century.

### Early Irish: The course for you?

If you are interested in acquiring a reading  
knowledge of Medieval Irish, in which the great  
saga literature of our manuscripts was written,  
and if you want to understand where today's  
Irish language comes from, then this is the  
course for you.

### Early Irish at Trinity

The Irish department staff at Trinity are  
recognised as experts in their respective fields  
and many former students are now teaching in  
universities at home and abroad. You will enjoy  
small class sizes and a friendly atmosphere.

### Pathways

The pathways available are Single Honors,  
Major with Minor and Joint Honors. See  
page 25 for further information.

### Graduate skills and career opportunities

Some students of Early Irish pursue independent  
research in the subject with a view to teaching  
at third-level. Most follow a career in teaching  
or journalism, especially Irish-language related  
media. Library archiving, the public service,  
marketing, business, interpreting and translation  
all figure in the profiles of past students.

## Your degree and what you'll study

The Early Irish course, which is taught through  
the medium of English, covers the history of  
the Irish language from its first appearance  
on the Ogam inscriptions at the dawn of the  
Christian era in the fifth century, to the highly  
polished language of the sagas and law  
texts preserved in the medieval manuscript  
collections held in the libraries of Trinity, the  
Royal Irish Academy and the National Library.

### First and second years

In the first two years you will study the  
basics of Old Irish. At this stage you will read  
most literature in translation but you will be  
introduced to the original texts gradually and  
you will see how the language emerged and  
developed through the early Christian period.

### Third and fourth years

In third and fourth year the horizons are  
expanded; your study of the history of the  
language will take you back to its Celtic  
origins and forward to the dawn of Modern  
Irish. At this stage you will be reading prose  
and poetry as well as law and history in the  
original language, and a special course in  
palaeography will teach you how to read the  
manuscripts themselves. Third year students  
may opt to spend a term in Aberystwyth  
learning Medieval and Modern Welsh.

### Assessment

At all levels, you will be assessed by a  
combination of continuous assessment and  
exams. We use a mix of traditional and innovative  
continuous assessment methods: essays,  
project work, presentations, book reviews  
and dossiers and podcast creation. Language  
modules are assessed by written examination.

### Other courses you might enjoy

TR039: Computer Science and Language,  
page 132

TR024: European Studies, page 60





## Special entry requirements

Leaving Certificate	H4	Irish
Advanced GCE (A Level)	Grade C	Irish



## An Nua-Ghaeilge

### Cad is brí le ‘Nua-Ghaeilge’?

Tugtar ‘Nua-Ghaeilge’ ar an teanga ón mbliain 1200 go dtí an lá atá inniu ann. Sa chúrsa seo léitear litríocht ó gach cuid den tréimhse agus déantar staidéar ar fhorás na teanga lena linn. Déantar staidéar speisialta freisin ar Ghaeilge an lae inniu agus ar Ghaeilge na hAlban.

### Cén fáth a roghnófa an Nua-Ghaeilge i gColáiste na Tríonóide?

Tá cáil ar fhoireann Roinn na Gaeilge sna goirt ina bhfuil siad ag obair mar scoláirí agus iad ag foilsíú leo go rialta. Chomh maith leis sin, tá an-cháil ar an Roinn as a bheith cairdiúil, rud a thaitníonn go mór lenár gcuid mac léinn. Bíonn líon na mac léinn beag go leor le go mbíonn sé éasca do na mic léinn aithne a chur ar a chéile. Tá Cumann Gaelach na mac léinn an-ghníomhach ar fad; tá scéim chónaithe lánGhaelach a bhfuil an-tóir uirthi sa Cholaiste. San iomlán, is geall le mionGhaelacht i lár na príomhchathrach sinn.

### Postanna

Tá réimse an-leathan gairmeacha ag daoine a rinne Nua-Ghaeilge anseo. Ina measc tá cuid mhaith múinteoirí, iriseoirí (sna meáin Ghaeilge go háirithe) agus daoine le postanna eile sna meáin: teilifís, ceol, beochan, raidió agus an t-idirlíon. Tá borradh tagtha ar líon na ndaoine a fhaigheann postanna mar ateangairí agus aistritheoirí, in Éirinn agus san Eoraip. Tá léachtóirí ollscoile agus leabharlannaithe againn chomh maith, agus iarmhac léinn eile ag obair sa tseirbhís phoiblí, le gnó agus le margaidh.

## Cad a bheidh á fhoghlaim agat?

Is trí mheán na Gaeilge a mhúinfeadh do chúrsa. Foghlaimeoidh tú faoi gach gné den Nua-Ghaeilge: ón bhFiannaíocht sa 13ú haois go Máirtín Ó Cadhain agus Nuala Ní Dhomhnaill sa lá atá inniu ann. Cuirfidh tú go mór le do chumas i labhairt agus scríobh na Gaeilge, agus déanfaidh tú staidéar foirmiúil ar cheartúsáid na teanga. Beidh deis agat freastal ar léachtaí faoi: scéalaíocht na seanré, stair shóisialta na teanga, an béaloideas, filíocht na scol, an Fhiannaíocht agus an nualitríocht ar fad, i.e. gearrscéalta, drámaíocht, úrscéalta, dírbheathaisnéisí agus filíocht. Caithfidh tú dhá mhí sa Ghaeltacht in Éirinn mar chuid de do chúrsa. Saighné speisialta de chúrsa na Nua-Ghaeilge i gColáiste na Tríonóide ná gur anseo amháin a bheidh seans agat trí bliana a chaitheamh le Gaeilge na hAlban (a’ Ghàidhlig). Beidh seans agat, más mian leat, tréimhse a chaitheamh i nGaeltacht na hAlban freisin.

### An chéad bhliain agus an dara bliain

Sa chéad bhliain agus sa dara bliain, díronn an cúrsa ar na hábhair seo a leanas: scileanna i labhairt agus scríobh na teanga, an cheapadóireacht, an t-aistriúchán, stair shóisialta na Gaeilge, an Ghaeilge Chlasaiceach, an nualitríocht, Gaeilge na hAlban.

### An tríú bliain agus an ceathrú bliain

Sa tríú bliain agus sa cheathrú bliain, díronn an cúrsa ar na hábhair seo a leanas: ardscileanna teanga (labhartha agus scríofa), an cheapadóireacht agus an t-aistriúchán ag leibhéal níos airde, agus Gaeilge na hAlban. Foghlaimeoidh tú conas lámhscríbhinní a léamh (cúrsa sa phailéagrafaíocht) agus léirmheastóireacht chriticiúil a dhéanamh ar scéalaíocht na seanré. Ina theannta sin, déanfaidh tú rogha cúrsaí sa Nua-Ghaeilge Mhach, sa litríocht bhéil, i nualitríocht na Gaeilge agus/nó i nualitríocht Ghaeilge na hAlban.

## Meansúnú

Déanann gach mac léinn cleachtaí scríofa gach seachtain mar chuid den mheasúnú leanúnach; bíonn aisti le scríobh go tráthrialta, agus béaltrial agus scrúduithe scríofa ag deireadh an téarma. Sa cheathrú bliain, déanann mic léinn taighde neamhspleách agus scríobhann siad miontráchtas.

## Staidéar thar sáile

Is aoibhinn beatha an scoláire a dhéanann leathbhliain thar sáile. Cé nach féidir staidéar a dhéanamh ar an nGaeilge thar sáile mar chuid de bhunchéim sa Nua-Ghaeilge, is féidir le mic léinn a roghnaíonn an Ghaeilge agus nuatheanga Eorpach eile leathbhliain a chaitheamh in ollscoil ar an Mór-roinn sa tríú bliain. Sa chás sin, déanfaidh siad a gcúrsa Gaeilge in aon leathbhliain amháin i gColáiste na Tríonóide, agus caithfidh siad an leathbhliain eile ar an Mór-roinn ag díriú go huile is go hiomlán ar an teanga eile.

### WHAT OUR CURRENT STUDENTS SAY

#### Oisín Ó Muirthile

Do mholfainn an chéim seo go mór d’éinne a bhfuil suim acu sa Ghaeilge i gcoitinne – mar atá sí sa lá atá inniu ann agus mar a bhí fadó – go háirithe dóibh siúd atá fiosrach faoin áit as a dtáinig sí i gcomhthéacs na hEorpa. Tá Roinn na Gaeilge ar cheann de na ranna is cabhraí agus is spreagúla dá bhfuil ann, a chothaíonn comhfhoghlaim agus cairdeas i measc a mac léinn go léir, agus is mór an pléisiúr dom go rabhas in ann a bheith i mo chuid dá pobal le linn mo chúrsa fochéime anseo i gColáiste na Tríonóide.

## Get in touch!

[www.tcd.ie/irish](http://www.tcd.ie/irish) | [E nibhraoc@tcd.ie](mailto:nibhraoc@tcd.ie) | [T +353 1 896 1450](tel:+35318961450)

[f www.facebook.com/roinnnagaeilgetcd](https://www.facebook.com/roinnnagaeilgetcd)

Cuireann Roinn na Gaeilge fáilte roimh aon mhac léinn ar mhaith leo freastal ar roinnt léachtaí le blaiseadh a fháil ar chúrsa sa Nua-Ghaeilge i gColáiste na Tríonóide, ach teagmháil a dhéanamh linn.

# Italian

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	430-467	See page 86	4 years



Italian is studied as a Joint Honors subject with one of the following options:

- TR177 Classical Civilisation
- TR323 Drama Studies
- TR455 History of Art and Architecture
- TR563 Middle Eastern, Jewish and Islamic Civilisations
- TR666 Religion
- TR670 Modern Language\*

\* See page 86 for language options and requirements

## Why study Italian?

Studying Italian opens the door to a beautiful new world. Italy holds up to 75% of the world's art treasures, has been home to some of the world's greatest writers and thinkers (Petrarch, Dante, Boccaccio, Machiavelli, Leonardo da Vinci, Galileo, Leopardi, Gramsci, Montessori), boasts fabulous food, fashion and design, and has a dynamic economy: 4th in the eurozone and 8th (by nominal GDP) in the world. In this course, you study Italy's language as well as its rich history and culture: especially literature, cinema, art and theatre. Having fluent Italian is extremely beneficial for the job market; as Italian is less common, you will stand out. You do not need to have studied Italian before; most students of Italian start as beginners.

## Italian: The course for you?

Italian has been taught in Trinity since 1776. You join one of the longest traditions of teaching Italian in the world, one which includes alumni like Samuel Beckett and Douglas Hyde. We accept beginners and advanced students. Native speakers also join our programme; providing a suitable foundation opening a gateway to English-speaking economies and excellent job prospects.

## WHAT OUR CURRENT STUDENTS SAY

### Ailbhe Cullen

The teaching has allowed me to learn the language quicker than I could have expected. The classes are enjoyable, as our lecturers are very friendly. Small class teaching allows you to interact with the language easily and stops it from being intimidating.

## Italian at Trinity

Your intensive language courses aim to support you in gaining fluency quickly. You will learn core skills (speaking, reading, writing, and listening) plus the art of translation. As well as language, you study a wide range of cultural courses. These include novels, poetry, theatre, cinema, art, as well as Italian history and contemporary politics. You can study Italy from medieval times (Dante Boccaccio, Petrarch and Machiavelli) to the 21st century.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Advanced language and communication skills are in high demand – especially here in Ireland, a vibrant knowledge economy which depends on European and international trade. Our graduates develop successful global careers in management, law, journalism, charities, international business, translation, the arts, fashion, tourism, PR, diplomacy, finance, football management, teaching, and banking. Some of our graduates now live and work in various countries worldwide including: Italy, France, Belgium, UK, USA and Hong Kong.

## Do you enjoy...

Becoming a global citizen, with the skills to face the job market with confidence?

Learning languages in small, friendly classes?

Being immersed in rich Italian culture and way of life?





## Special entry requirements

Leaving Certificate	H4	In Italian or in a language other than English
Advanced GCE (A Level)	Grade C	In Italian or in a language other than English



You can build quickly on communication and language skills of a language degree, specialising once you are sure of your career direction. A short postgraduate course can take you into advertising, social media management, journalism, law, marketing, teaching, event planning, web development, operations management, research, and so on.

## Your degree and what you'll study

At entry, Italian must be combined with one other subject. In later years you will be able to select additional subjects and electives.

### First and second years

In first year, you follow an intensive course in Italian language. This includes grammar classes, conversation and listening practice, and learning how to write in Italian and produce basic translations. We provide about eight classroom hours per week, mostly devoted to language learning. You will also be introduced

to Italy's history (including Fascism) and to some literature and cinema. In second year you continue language classes and explore Italy's rich literary tradition including Dante's *Inferno*, as well as modern Italian culture, history and Italian cinema.

### Third and fourth years

The third and fourth years focus on major authors of the medieval, Renaissance and 20th and 21st centuries, as well as contemporary Italian politics and life. You also study optional modules. For 2019, for example, we offered these options: Italian Drama 1470s-1530s, Italian Cinema 1900-2018, Gendered Narratives in 20th Century Italian Literature, The Poetry of Michelangelo and Introduction to Second Language Teaching and Learning

During these years, you strengthen your language proficiency and develop higher-level skills in, text analysis and translation, text editing and writing, as well as spoken production and interaction. In your final year the programme includes advanced modules on Italian language varieties, cultural studies, and key literary texts and films. The final-year dissertation (the Capstone project), allows you to specialise in the area you find most interesting, supported by regular one-to-one meetings with a professor who will share their expertise with you.

### Assessment

At all levels, you will be assessed by a combination of continuous assessment and exams. We use a mix of traditional and innovative continuous assessment methods: essays, project work, presentations, book reviews and dossiers, podcast creation. Final-year students also write a Capstone project.

## WHAT OUR CURRENT STUDENTS SAY

### Lily Lee

I decided to study Italian because of my curiosity for the language and culture. Four years on, I am pleased to say that it was one of the best decisions I have made to date. I found the Italian Department to be consistently encouraging with regard to our studies, and their passion and enthusiasm for their subject was inspiring. I would highly recommend this course to anyone who would like to discover more about this fascinating country, its people and their language.

## Study abroad

A year or semester studying abroad is one of the highlights of the Trinity experience. Immersing yourself in Italian language, culture, life (and sunshine!) is a valuable way of achieving fluency. Single Honors students have a compulsory third year of study abroad and other students are encouraged to spend a year or a semester in their third year in one of our partner universities. At a minimum, you will be required to spend two months in an Italian-speaking country prior to taking your final exams. We currently have exchange agreements with the Universities of Bologna, Trieste, Pavia, and Rome.

## Other courses you might enjoy

TR024: European Studies, page 60

TR040: Middle Eastern and European Languages and Cultures, page 82

## WHAT OUR GRADUATES SAY

### Peter Sherrard

Italian is a huge asset and helped to open many doors early in my career. Being a niche skill, it gives rise to all sorts of experiences which would not normally be available to most arts graduates. With self-belief, luck and desire to learn quickly, Italian graduates can soon find themselves managing complex business situations and given responsibilities far greater than offered to their peers. In my own case, I was made Ryanair Country Manager for Italy at the age of 26. I would never have had this opportunity so early on, were it not for my knowledge of Italian gained at Trinity.



## Get in touch!

[www.tcd.ie/italian](http://www.tcd.ie/italian) | [italian@tcd.ie](mailto:italian@tcd.ie) | [+353 1 896 2062](tel:+35318962062)

# Russian

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	331-506	See page 86	4 years

Russian is studied as a Joint Honors subject with one of the following options:

- TR087 Business Studies
- TR114 Ancient History and Archaeology
- TR277 English Literature
- TR323 Drama Studies
- TR447 History
- TR597 Mathematics
- TR639 Philosophy
- TR666 Religion
- TR671 Modern Language\*

\* See page 86 for language options and requirements

## Why study Russian?

Russian is the first language of nearly 150 million people; it is spoken by more than 260 million people around the world and is one of Europe's most important languages. Russia is a significant force in present-day geopolitics and a major player in the global economy, with ties both to Europe and to Asia, and beyond. Russian writers, musicians and artists have made a considerable contribution to European culture; Russian history has helped shape Europe as we know it today. Exploring Russia's past and present helps understand the interaction between Europe's eastern and western traditions.

## Russian: The course for you?

You will find the Russian programme exciting and rewarding if you enjoy language study, are interested in unfamiliar cultures, have a sense of adventure and are not afraid of a challenge.

## Russian at Trinity

Trinity is the only university in Ireland where you have the opportunity to study Russian to degree level. The scale of the Department of Russian and Slavonic Studies is such that we are able to give students a considerable amount of individual attention and support, and students are able to tailor the programme to develop their particular interests and skills, and to bridge the gaps between the study of Russian and the student's other area(s) of study.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Career paths followed by recent graduates are often ones where Russian-language competence is directly relevant. These include arts and media; education; business, finance and marketing; civil and public service; international organisations (UN, EU, NGOs) and diplomacy; journalism and tourism. Alternatively, each year several graduates will opt to pursue further postgraduate study in Ireland or abroad.

Advanced knowledge of a less-studied language like Russian, as well as the transferable skills (analytical and critical thinking, written and oral presentation skills) you will acquire in the study of the history, culture and literature of Russia, is generally a very attractive combination for prospective employers, even for career paths where Russian may not be directly involved in your day-to-day work.

## Your degree and what you'll study

At entry, Russian must be combined with one other subject. In later years, you will be able to select additional subjects and electives.

Most students start Russian as complete beginners, and take an intensive first-year language course (with six hours of language classes per week). Special provisions are made for students with prior knowledge of Russian (native, near-native speakers, those who have passed Russian in the Leaving Certificate or have taken another entrance qualification in Russian).

## Do you enjoy...

Discovering a culture through its literature and language?

Getting to know people and places?

Exploring and engaging with cultural, linguistic, social and political diversity in the world?



## Special entry requirements

Leaving Certificate	H4	in a language other than English
Advanced GCE (A Level)	Grade C	in a language other than English



In addition to language study, you will take modules covering aspects of Russian literature, Russian history and Russian culture, society and politics. In later years, you will also have the option to study a second Slavonic language (Polish, Bulgarian or Croatian).

### First and second years

In the first and second years, classes cover three main areas:

- Russian language: these classes help develop fluency in reading, writing, speaking and listening, and build the foundation for more advanced language study in the third and fourth years.
- Russian cultural and literary studies: you will be introduced to central figures and major topics in Russian literary and cultural history. You will progress from reading literary texts mainly in translation to tackling key works by Russian writers in the original Russian.
- Central, East European and Russian area studies: in the first year, you will take a survey course addressing the geopolitical space of Central and Eastern Europe, while in the second year, the focus is exclusively on Russia, when you will follow a course of lectures in Russian on aspects of contemporary Russian society, politics and culture.

In the first and second years, there are approximately ten hours of classes per week, divided between language work and literary, cultural and area studies.

### Third and fourth years

In addition to advanced language study, the third and fourth years of your course offer a wider range of module choices, allowing you to choose options that reflect your own particular interests. These include more specialised study of Russian literature and culture, history of Russia and the Soviet Union, Russian society and politics, and a second Slavonic language (Bulgarian, Croatian or Polish). If you elect to study Russian in your final year, you will also undertake a Capstone project on a subject of your own choice.

### Assessment

At all levels, you will be assessed by a combination of continuous assessment and exams. We use a mix of traditional and innovative continuous assessment methods: essays, project work, presentations, book reviews and dossiers, podcast creation. Language modules are traditionally assessed by written, oral and aural examinations. Final year students also write a Capstone project.

### Study abroad

A year or semester studying abroad is one of the highlights of a student's Trinity experience, and immersing oneself in the language and culture is also one of the most valuable ways of achieving fluency when you are studying a language. Single Honors students have a compulsory third year of study abroad and other students are encouraged to spend a year or a semester in their third year in one of our partner universities. At a minimum, you will be required to spend two months in a Russian-speaking country prior to taking your final exams. We currently have exchange agreements with Moscow State University as well as close connections with other universities and institutes in Moscow, St Petersburg and in a number of provincial towns.

### Other courses you might enjoy

TR024: European Studies, page 60

TR087: Business Studies and Russian, page 34

TR089: Business Studies and Polish, page 34

TR040: Middle Eastern and European Language and Cultures, page 82



**Get in touch!**

[www.tcd.ie/russian](http://www.tcd.ie/russian) | ☎ +353 1 896 1896

# Spanish

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	445-509	See page 86	4 years

Spanish is studied as a Joint Honors subject with one of the following options:

- TR090 Business Studies
- TR177 Classical Civilisation
- TR208 Economics
- TR277 English Literature
- TR323 Drama Studies
- TR324 Film
- TR447 History
- TR455 History of Art and Architecture
- TR563 Middle Eastern, Jewish and Islamic Civilisations
- TR636 Music
- TR672 Modern Languages\*
- TR756 Sociology

\* See page 86 for language options and requirements

## Why study Spanish?

Spanish is the native language of over five hundred million people. It is second only to English in the number of countries in which it is officially spoken. Spanish is an exciting and growing area of study. It is the second language in the United States, an official language in the European Union, the African Union, and the United Nations.

## Spanish: The course for you?

The Department will help you to discover or deepen your interest in the Spanish-speaking world, giving you the opportunity to study a variety of language, literature, and cultural courses, while helping you to develop your language skills and intellectual abilities.

## Spanish at Trinity

Whether a beginner or non-beginner in Spanish, you will very quickly come to feel a valued member of a Department with a rich experience that goes back to 1776. Our external examiners consistently comment on the very high levels of linguistic and research skills attained by Hispanic Studies students. You can be confident that this degree will provide a lifetime of personal and professional opportunities.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

A degree in Spanish opens up many career opportunities in education, journalism, the diplomatic service, business administration, banking, publishing, interpreting, translation, advertising, public relations, digital communication, and visual media. Recent graduates have started careers in Google, Oracle, Telefónica, Ryanair, Central Bank of Ireland, Gerson Lerhman Group, NGOs, and the European Union. Many students have also pursued postgraduate degrees in Hispanic Studies and related fields.

## Your degree and what you'll study

At entry, Spanish must be combined with one other subject. In later years, you will be able to select additional subjects and electives.

Spanish at Trinity is taught by a variety of methods to equip you with a comprehensive range of language skills. The Department offers intensive language teaching (five hours a week) for beginners.

## Do you enjoy...

Learning about the similarities and differences between your country and Spain and Latin America?

Experiencing the fascinating and varied cultures of these countries, their history, literature, and cinema?

Adding to your modern language skills for social and career purposes?



## Special entry requirements

Leaving Certificate	H4	in a language other than English
Advanced GCE (A Level)	Grade C	in a language other than English



### First and second years

In the first two years, the course covers three main areas:

- › Language: grammar and syntax, text analysis, translation, and practice in speaking and listening.
- › Contemporary Spain: an introduction to history, socio-political issues, cinema, art, and current affairs.
- › Literature: close study of a range of Spanish and Spanish-American literary texts.

### Third and fourth years

You will continue with language study, taking classes in writing, text analysis, translation, and spoken Spanish. You will also be able to deepen your knowledge of Hispanic literatures and cultures.

In fourth year, you will work more independently and with significant freedom of choice. As well as studying Spanish language, the theory and practice of translation, the Spain of the Three Cultures, and Medieval Spanish Literature, you will choose other modules from a range of special topics, which include Contemporary and Golden Age Spanish Literature, Spanish History and Cultural Politics, Linguistics. You will also have the opportunity to conduct independent research as part of your Capstone Project.

### Assessment

At all levels, you will be assessed by a combination of exams and continuous assessment. Language modules are traditionally assessed by written and oral examinations. Final year students also write a Capstone project.

### Study abroad

A year or semester studying abroad is one of the highlights of a student's Trinity experience, and immersing yourself in the language and culture is also one of the most valuable ways of achieving fluency when you are studying a language. Single Honors students have a compulsory third year of study abroad, and other students are encouraged to spend a year or a semester in their third year in one of our partner universities. You will be required to spend two months in a Spanish-speaking country during the course of your studies. We currently have exchange agreements with the Universities of Granada, León, Salamanca, Seville, Oviedo, and Barcelona, among others.

#### Other courses you might enjoy

TR024: European Studies, page 60

TR090: Business Studies and Spanish, page 34

TR040: Middle Eastern and European Language and Cultures, page 82

#### WHAT OUR CURRENT STUDENTS SAY

##### Philip McGuinness

As part of the Department of Hispanic Studies at Trinity, I have benefited immensely from a leading programme of undergraduate study, deepening my knowledge of culture, history, literature and language. The Department offers an intimate, supportive academic environment and privileges small-group teaching and the close reading of texts. Moreover, through one-on-one consultation with academics, this course has allowed me the flexibility to develop my own research interests, as part of my final year dissertation. Spanish at Trinity, while both challenging and rewarding, offers essential critical skills and endless opportunities.



[www.tcd.ie/hispanic\\_studies/undergraduate/index.php](http://www.tcd.ie/hispanic_studies/undergraduate/index.php) | [E spanish@tcd.ie](mailto:spanish@tcd.ie) | [T +353 1 896 1257 / 3496](tel:+35318961257)

# Modern Language plus another subject

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	330-509	265**	4 years

\*\* Places for Modern Languages and Modern Languages and a subject.  
Also see page 86.



You can study modern language plus another subject as indicated below.

CAO Code	Subject	Modern Language
TR114	Ancient history and archaeology	French*, Irish, Russian
TR455	History of art and architecture	French*, Italian, Spanish
TR177	Classical Civilisation	German, Italian, Irish*, Spanish
TR239	Classical Languages	French*, German
TR323	Drama studies	Italian, Russian, Spanish
TR208	Economics	German, Spanish
TR277	English Literature	French*, German, Irish*, Russian, Spanish
TR324	Film	French*, Spanish
TR326	Geography	French*, German
TR447	History	German, Irish*, Russian, Spanish
TR563	Middle Eastern, Jewish and Islamic Civilisations (MEELC)	French*, Italian, Irish*, Spanish
TR597	Mathematics	Irish*, Russian
TR636	Music	French*, German, Irish*, Spanish
TR639	Philosophy	French*, German, Russian
TR666	Religion	French*, German, Italian, Russian
TR756	Sociology	French*, Irish*, Spanish

You can find out more about each language and subject/course on the individual subject/course pages.

\* French and Irish are not available at beginner's level.

## What is Modern Language plus another subject?

In an increasingly interconnected and multicultural world, advanced language skills and intercultural competencies will equip you for a wide variety of careers and will give you a distinct competitive advantage. Language competence is one of the biggest skills gaps in the Irish labour market and language graduates are highly sought after in a variety of sectors.

We invite you to study languages in Trinity's School of Languages, Literatures and Cultural Studies. It is a leading language school in Ireland and we are consistently ranked in the top 100 languages schools in the world. In Trinity's Joint Honors entry routes, you can study a Modern European language with a wide variety of other disciplines across the Humanities and beyond. The languages to choose from are French, German, Irish, Italian, Russian and Spanish. Apart from French and Irish all languages can be studied from both advanced and beginners level (see table for all available combinations). Combining a language with another discipline makes eminent sense in terms of academic fit and career prospects, and is one of the most attractive study combinations you can choose.

At entry to Modern Language and another subject, you will study both of the two subjects equally. The Trinity Education system will allow you to maintain them both equally throughout the 4-year programme (Joint Honors), or offer flexibility for you to decide which of the two subjects you choose as your major or your minor subject from the third year on.

Studying a modern European language alongside another subject will give you the opportunity for full immersion into this language and its culture, while at the same time studying a different subject you are interested in. Our programmes will enable you to acquire a high level of language competence and fluency, combined with an in-depth understanding of its culture and society. The emphasis of our approach is on interactive and communicative

## Do you enjoy...

Getting to know and understand other places, people and cultures?

Learning languages to the level where you are competent, confident and fluent?

Engaging with the cultural, linguistic, social and political diversity in the world and acting as a mediator between cultures?





You can also study a modern language and a subject/course as indicated below.

You can study a modern language and another subject as a Joint Honors, where both subjects are studied evenly or as a Major/Minor, where you study one subject more than the other for example 60%/40%

You can find out more about each language and subject/course on the individual course pages.



small-group teaching, often provided by native speakers, and our students benefit from a great deal of individual attention and support.

### Modern Language plus another subject: The course for you?

Choosing a modern language plus another subject allows you to combine an interest in languages with an entirely different academic discipline, and will give you intensive exposure to both of your subjects, their methodologies and specificities. You will find that very often the topics as well as the approaches of your two subjects will intersect and complement each other very well.

Studying a modern language at Trinity will enable you to develop your skills to a level where you can communicate confidently and competently on virtually any subject and in every situation. Throughout your studies you will experience an intensive and exciting encounter with the people, the culture and the society of the language you study. You will gain deeper familiarity with it through the study of its literature, culture, history and politics, and you will gain competencies in understanding and successfully navigating cultural differences. You will also acquire crucial and highly valuable transferable skills such as thinking analytically and independently.

### Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

### Graduate skills and career opportunities

Foreign language skills and intercultural competencies constitute one of the biggest skills gaps in the Irish labour market and language graduates are very sought after in a wide variety

of careers. Dublin-based headquarters of Google, Facebook, LinkedIn and others are seeking the advanced language and intercultural skills our graduates acquire, and there is currently an acute shortage of language specialists in the Irish secondary school system. Our graduates have exciting careers in a wide range of fields such as cultural and creative industries, translation and interpreting, journalism and the media, publishing and arts administration, diplomacy and tourism, marketing and finance, as well as second and third-level teaching or the civil service. Many go on to take postgraduate courses in areas such as business or law for which a language degree is an excellent background. The combination of a more general undergraduate degree that has a language as a central component with a more specialised or professional postgraduate qualification has proven to be highly attractive to employers.

### Your degree and what you'll study

In each of your two subjects you have typically 8-12 contact hours per week. In the language part of your programme, this divides roughly equally between language learning and studying the culture, literature, history and society of your language. In beginners languages the emphasis on language is higher in the first year. From year to year students have an increasing choice in respect of which areas to focus on and specialise in. All students complete a Capstone – an independent research project – in their final year. For further details see the entries under the specific languages in this prospectus.

### Study abroad

A year or a semester studying abroad is one of the highlights of a student's Trinity experience, and immersing oneself in the language and culture is one of the most valuable ways of achieving fluency and of gaining deeper intercultural understanding.

For those who choose the Single Honors pathway in the language a third year of study abroad is mandatory (except for Irish). For all other students we strongly recommend and support spending a year or semester in the third year in one of our many partner universities, where the second subject can also be studied. At a minimum, you will be required to spend two months in the country of your language during the course of the degree programme. We have long-established and well-working Erasmus partnerships with top institutions in the countries where our languages are spoken.

### Other courses you might enjoy

If you want to combine the study of two modern languages please see Modern Languages, page 86

TR024 European Studies, page 60

TR039 Computer Science and Language, page 132

TR040 Middle Eastern and European Languages and Cultures, page 82

Business Studies and a Language, page 34

TR018/TR019: Law and French/German, page 76

**'A different language is a different vision of life'**

(Federico Fellini)



## Get in touch!

School of Languages, Literatures and Cultural Studies | [E sls@tcd.ie](mailto:sls@tcd.ie) | [T +353 1 896 1706](tel:+35318961706)

# Music

## B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR002	345	15	4 years
Joint Honors (see below)	431-565	18	4 years



### Music has the following entry options:

TR002 Single Honors Music AND Joint Honors options as follows:

TR320 Film

TR564 Middle Eastern, Jewish and Islamic Civilisations

TR598 Mathematics

TR629 Philosophy

TR635 Drama Studies

TR636 Modern Language\*  
(French, German, Irish, Spanish)

TR638 Religion

\* See page 86 for language options and requirements

### What is Music?

Music is a discipline that stretches back to the ancient world. One of the seven original liberal arts, music maintains a place in the University as a subject of broad and passionate interest to composers, musicologists, performers, technologists, and theorists.

### Music: The course for you?

Studying music will allow you to engage with a range of traditions to acquire a profound understanding of how music works in theory and in creative practice. If you are interested in understanding music and its place in society, developing music technology skills, writing music, or improving your skills as an informed performer, this course could be for you. A music degree will prepare you for a wide range of careers in the creative arts, journalism, music production, arts management, research, and teaching.

### Music at Trinity

Trinity's Music Department is Ireland's oldest and most internationally renowned venue for the study of music. With a distinguished team of academics and practitioners, the department attracts Irish and international students of the highest calibre. Alumni include Derek Bell, harpist in the Chieftains; Niall Doyle, Head of Music at the Arts Council; Deborah Kelleher, Director of the Royal Irish Academy of Music; and Donnacha Dennehy, Associate Professor of Music at Princeton University.

We offer a balanced musical education that provides specialisation in three key areas: composition, music technology, and musicology (the historical and analytical study of music). A particular strength is the department's commitment to small group teaching, with some subjects taught in groups of ten students or fewer.

The facilities in the Music Department include a recital room, practice rooms, computer workstations, a recording studio, listening equipment, and a substantial lending collection of CDs and videos.

In 2013, the Royal Irish Academy of Music became an Associate College, a move designed to facilitate the development of an internationally renowned centre of excellence in performing arts. 2016 marked the appointment of Assistant Professor Nicholas Brown, and a renewed commitment to social engagement and educational outreach.

### Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

### Graduate skills and career opportunities

The employment record for Trinity's graduates in Music is excellent. Recent alumni have established successful careers as composers, music producers (for television, radio, or recording companies), performers, conductors, administrators, teachers, and academics in institutions worldwide. Several recent graduates have been commissioned by organisations such as RTÉ. Trinity Music students have an outstanding record of obtaining scholarships for further study abroad as well as from the Arts Council of Ireland. Some have used the analytical and intellectual skills that a Music degree offers to build successful careers in medicine, law, financial investment, and public relations.

### Your degree and what you'll study

The Single Honors and Joint Honors options provide a thorough grounding in the basic skills of musicianship and academic study.





## Special entry requirements

Though desirable, formal musical training is not a prerequisite for entry, but candidates should have a good ear and the ability to read and notate music to a rudimentary level.

The most important musical qualification is a good ear.

On the basis of the entrance-examination results, applicants may be called to attend an interview at the end of April/beginning of May, before final selections are made. You are not required to perform at interview.

This is a restricted entry course. Applications must be submitted by 1 February 2020

Applicants will be required to attend an entrance examination, scheduled for March/April 2020. See note 5 on page 250.

Specimen examination papers are available for download from the Music Department website: [www.tcd.ie/music](http://www.tcd.ie/music)



### WHAT OUR STUDENTS SAY

#### Jill Montgomery

Music at Trinity is an exciting and challenging course. It allows me to learn what I love and discover more and more about its complexity and possibilities.



### WHAT OUR GRADUATES SAY

#### Eileen Hogan

I am very glad that I chose Trinity for music studies. Since day one I have found the faculty inspiring, supportive, and willing to help. The course has allowed for many incredible opportunities that have aided my personal and musical development, including directing the music department's chamber choir, The Campanile Consort, and attending seminars in Oxford University. Most recently, I have been granted a scholarship from Indiana University which will allow me to continue my studies with an M.A. in Musicology in the US.

Students receive extensive training in aural and keyboard skills, learn the history and theory of art music from the medieval period to the present day, and choose modules in jazz, rock, popular, vernacular, and world music. Taught performance modules (e.g. conducting) allow students to contextualise their practical skills. In the specialisations (composition, music technology, and musicology), students are closely supervised in their chosen area. Students may continue to take modules outside of their specialisation. All students complete a final year Capstone research project based on their specialism.

Many musical activities take place on campus. In addition to performance opportunities, students can gain experience in arts administration, music production, and interdisciplinary collaborations. Many students come from non-classical backgrounds.

#### First year

Aural Training, History of Music, Introduction to Harmony, Introduction to Music Analysis, Keyboard Skills, Rudiments and Counterpoint, Style and Presentation, Music Technology, Instrumentation.

#### Second year

Continuation of subjects from first year, and the beginning of the exploration of up to two specialisms – Composition, Musicology, or Music Technology. Single Honors students will also select a Trinity Elective.

#### Third and fourth years

Concentrated study in chosen specialisations, with possible electives from other specialisations. Students can present a recital.

Recent options have included: Advanced Aural, Analogue Synthesis, Bob Dylan, Byrd and the Politics of Polyphony, Counterpoint and Fugue, Experimental Theatre and Contemporary Opera, Figured Bass, Film Music, Handel and the English Oratorio, Heavy Metal, Japanese Music, Java Programming, Nineteenth-Century German Lied, Rock Music History, and the Hollywood Musical.

In their specialisations, composers develop a variety of techniques; music technologists engage in theory and studio practice; and musicologists address history, culture, and theoretical subjects. Capstone projects take the form of, respectively, a portfolio of compositions, a major technology project, or a dissertation.

### Study abroad

Music students can apply to study abroad in European universities with the Erasmus programme (e.g. Royal Holloway University of London) and non-EU universities (University of Toronto, Peking University) via University-wide exchanges. The Department of Music is in the process of forming a partnership with a leading university in Malaysia.

Music students who study abroad find the experience hugely enjoyable, academically and culturally rewarding, and of value to prospective employers. Further information on study abroad can be found at: [www.tcd.ie/study/study-abroad/outbound/index.php](http://www.tcd.ie/study/study-abroad/outbound/index.php)

### Other courses you might enjoy

TR009: Music Education, page 104

## Get in touch!

Anyone considering studying Music is welcome to visit the department, to sit in on lectures, to speak to members of staff, and to meet current students. Office hours are 10.00-16.30, Monday to Friday. To make an appointment, please see our contact details below.

[www.tcd.ie/music](http://www.tcd.ie/music) | [musicsec@tcd.ie](mailto:musicsec@tcd.ie) | [+353 1 896 1120](tel:+35318961120)

Music Composition Centre | [@TCDcomposition](https://twitter.com/TCDcomposition) | The School of Creative Arts | [@CreativeArtsTCD](https://twitter.com/CreativeArtsTCD)

# Music Education

**B.Mus.Ed. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR009	455	10	4 years

## What is Music Education?

The Bachelor in Music Education provides for the academic, artistic and professional requirements of those wishing to become music teachers at secondary school level (including Northern Ireland). Not all graduates choose to teach however. Some, on graduation, pursue further study at master's and doctoral levels in performance, conducting, and composition and quite a few pursue postgraduate courses in the media and in the music business.

Graduates teach in the most vibrant and progressive music departments in schools in Ireland and abroad. Highly sought after for their academic and musicianship skills, graduates are also prominent in curricular design, in-service education and choral and instrumental leadership at national and international levels.

The degree is taught in partnership with the Technical University of Dublin Conservatory of Music and Drama and, on alternate years, with the Royal Irish Academy of Music. The degree is an integrated course of study designed to equip students with a high standard of performance in their principal instrument (including voice) and a competence in related musical skills e.g. conducting, keyboard skills, performance in choral, orchestral and chamber music groups.

The course also provides for a solid grounding in harmony, counterpoint, composition, orchestration, analysis, history of music and Irish traditional music. The majority of subjects are based on the traditions and practices of classical (or art) music, from the medieval period to the present day.

However, there are regular lectures in other musical traditions, including Irish traditional music, jazz, contemporary and popular music. Students registering for the course in September 2020 will study at Trinity and at the Royal Irish Academy of Music and Drama.

## Music Education: Is this the course for you?

If you love sharing music, already have a competent standard of music performance, and wish to combine these qualities with a teaching career, then this course is ideally suited to you. Whether your interests are primarily academic or practical, your experience of this vast and rich discipline will be greatly advanced. As an academic study, music fosters independence of thought, creativity and critical and analytical skills. This course offers opportunities to perform music, to share your music with others in your teaching and performing and to conduct a number of different ensembles.

## WHAT OUR GRADUATES SAY

### Lynsey Callaghan

I loved the B.Mus.Ed. and I was proud to be on the course. I didn't fully understand how amazing the course is until now. It is so comprehensive and afforded me so many diverse experiences. I believe it is an all-encompassing music degree which produces musician-teachers, with both identities developed in tandem, something that I am only now beginning to fully appreciate. How amazingly lucky we all were to have been a part of this course.

## Music Education at Trinity

Trinity is the only university in Ireland which offers the Bachelor in Music Education degree. Current students study both music and education to honors degree level leading to a professional qualification in post-primary teaching which is accredited by the Teaching Council of Ireland. One of the strengths of the Music Education course at Trinity is the commitment to individual and small group teaching. The facilities in the Associated Colleges include recital rooms, practice rooms with pianos, music studios, excellent listening equipment, and a substantial lending collection of CDs and DVDs. The staff at TUD and RIAM has a wide range of experience in vocal and instrumental music, composition, music technology and musicology. The staff at Trinity's School of Education has a wide range of expertise in all aspects of education including educational research, the psychology of education, philosophy of education, sociology of education and music pedagogy. Students also have access to the largest research library in Ireland.

## Do you enjoy...

Performing, composing  
and sharing music?

Learning how to inspire others  
with your musicianship?

Exploring how to influence  
the next generation  
of musicians?



## Special entry requirements

Interview with two pieces to be played on chosen instrument.



## Graduate skills and career opportunities

Music Education is a professional degree accredited by the Teaching Council of Ireland. Graduates have an excellent employment record. Most graduates choose post-primary teaching, many garnering reputations as inspirational music teachers; others choose instrumental teaching both privately and in conservatoires. Graduates also go on to work in areas such as professional development, instrumental and vocal performance, academia, agencies associated with the arts, and in fields such as music therapy and music technology. Many students take postgraduate courses majoring in areas such as music education, musicology, performance, and composition. Occasionally graduates pursue disciplines such as accountancy, law and medicine!

### WHAT OUR GRADUATES SAY

#### Aoife Hiney

After B.Mus.Ed. graduation I taught for a few years, pursued a master's course and eventually completed a Ph.D. in Portugal. Currently, I am a post-doctorate research fellow at the University of Aviero. I conduct five choirs and I co-direct LABEAMUS (Laboratory for the Teaching and Learning of Music at UA). I am a member of the editorial board of IMPAR – Online Journal for Artistic Research.

Recent graduates are working in primary, post-primary and third-level teaching posts in Ireland, in countries throughout Europe, the USA, Dubai, China and Singapore as well as with international companies such as Google.

### Your degree and what you'll study

A basic feature of the course is personal development in music, supporting the ability to awaken the interest and enthusiasm of pupils. Students are encouraged to engage in ensemble work at a level appropriate to their ability. Opportunities to perform are provided, offering realistic individual goals for all, including the exceptionally gifted. Structured school placement in all aspects of classroom practice both at primary and post-primary levels is provided, as well as instrumental/vocal practice.

In addition to individual instrumental/vocal tuition, there are approximately fifteen hours of lectures per week, comprising music and education.

#### First year

Instrumental Performance; Musicianship; Compositional Techniques; Music History; Music Education, including Co-teaching; Curricular Development.

#### Second year

Instrumental Performance; Musicianship; Compositional Techniques; Music History; Music Education I; Music Education 2; Irish Educational History and Policy; School Placement.

#### Third year

Instrumental Performance; Musicianship; Compositional Techniques; Music Education; Educational Philosophy and Theory; School Placement; Sociology of Education.

### WHAT OUR GRADUATES SAY

#### Rachel Pearson

After studying the B.Mus.Ed. at Trinity I went to live in South Korea for a year where I taught English in a public primary school. After this, I moved to Vietnam to work in an International Kindergarten. Now I'm living on the Isle of Arran off the coast of Scotland, completing the final placement of a postgrad to become a primary teacher. My degree in Music Education has given me a huge advantage as music skills are something which many primary teachers are lacking in but are highly valued!

#### Fourth year

Major Option\*; Aural Perception; Compositional Techniques; Applied Psychology in Education; Introduction to Assessment and Examinations in Post Primary Education; School Placement; Inclusive Education; ICTS for Teaching and Learning.

*\* In Year 4, students may specialise in either music education research, composition or performance.*

### Study abroad and internship opportunities

The School of Education has strong links abroad, including active participation in the Erasmus exchange programme with universities in Scotland, France and Hungary. It allows second year students the option of spending one semester studying abroad. In addition, as already mentioned, the School has an excellent record of students going on to study at postgraduate level, in Ireland and abroad, and of graduates obtaining employment in Europe and in North America.



## Get in touch!

[www.tcd.ie/education/undergraduate/b-mus-ed](http://www.tcd.ie/education/undergraduate/b-mus-ed) | [E lmchugh@tcd.ie](mailto:lmchugh@tcd.ie) | [T +353 \(0\)1 896 1145](tel:+353018961145)

[f education.tcd](https://www.facebook.com/education.tcd) | [@SchoolofEdTCD](https://twitter.com/SchoolofEdTCD) | [schoolofedtcd](https://www.instagram.com/schoolofedtcd) | [www.youtube.com/watch?v=UMmWy15kkg0](https://www.youtube.com/watch?v=UMmWy15kkg0)

# Philosophy

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR005	392	20	4 years
Joint Honors (see below)	369-565	43	4 years

For Joint Honors, Philosophy must be combined with one other Joint Honors subject. An honors degree is awarded in both subjects.

Philosophy has the following entry options:

**TR005 Single Honors Philosophy AND Joint Honors options as follows:**

- TR179 Classical Civilisation
- TR209 Economics
- TR269 English Literature
- TR449 History
- TR479 History of Art and Architecture
- TR599 Mathematics
- TR629 Music
- TR639 Modern Language\*  
(French, German, Russian)
- TR662 Sociology

\* See page 86 for language options and requirements

## What is Philosophy?

Philosophy is an intellectually exciting discipline in which fundamental questions of human existence, value and society are examined, debated and challenged. Its methods are reason and argument and philosophy students are given the skills to reason and argue clearly, cogently and effectively. Rather than a body of doctrine, philosophy is a method or a way of approaching abstract general questions such as what is a good life, what is the fundamental nature of reality, what is the purpose (if any) of human existence?

## Philosophy: The course for you?

This course offers the opportunity to engage in depth with questions of metaphysics (about the fundamental nature of reality), epistemology (the theory of knowledge), ethics (theories of right and wrong), political philosophy (the nature of the just state), philosophy of religion (reasoning about God), philosophy of mind (questions about thought, language and reason) and various other areas. The Department is ranked in the 100-150 in the world (QS World University Rankings by Subject, 2019) and the staff are world-recognised specialists in their respective areas of expertise. The general orientation of the department is broadly within analytic philosophy, which values clarity and rigorous argument, and is unique in this respect in Ireland.

## Philosophy at Trinity

Our Department is small and student-friendly while offering a world-class programme in philosophy. We teach courses which have both systematic and historical emphases and in the higher years students can choose options and get to write a thesis on a topic of their own choice. Trinity Philosophy students have regularly won prizes at the International Undergraduate Awards competition and also have gone on to the major graduate programmes in the world. There is a lively student society, the Metafizz, which offers the opportunity of combining social activities with philosophy.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

In the recent past, graduates of Philosophy have worked in areas as diverse as accountancy, academic teaching, journalism, law, TV reporting and research, filmmaking, banking, computing and advertising. Each year some graduates also opt to pursue a research career, beginning with postgraduate study in Ireland or abroad.

Research on graduate entry aptitude tests in the US (GRE) show that philosophy graduates outscore all other disciplines in two of the three main areas (verbal reasoning and analytical writing) and tend to do well in the third, quantitative reasoning. The kind of reasoning and analytical competencies acquired in studying philosophy are transferable to a multiplicity of careers.

## Do you enjoy...

Challenging and questioning the assumptions of your society and of generally accepted views?

Arguing and debating about fundamental questions of human existence and value?

Engaging with great thinkers, reading, assimilating and responding to them?





## Your degree and what you'll study

The Philosophy course is designed to give you a solid, scholarly grounding in the classical texts that form the history of Western philosophy, and are one of the formative influences on Western culture. Studying the fundamentals of both formal and informal reasoning will support you to think independently.

### First and second years

In the first two years, you will study foundation courses in the history of Philosophy, as well as engage with certain fundamental philosophical problems such as the debates about free will and determinism, the nature of morality, the nature of language, the existence of God, logic, and the scope and limits of human knowledge.

In the Joint Honors programme, where Philosophy is studied with another subject, there are approximately five hours of classes per week; with double that for the Single Honors programme.

### Third and fourth years

In the final two years, you are able to set your own syllabus by selecting courses from a reasonably wide choice including political philosophy, ethics, philosophy of religion, and philosophy of mind, among others. In this way you can specialise in the areas of philosophy you have found most interesting and most suitable to your skills.

Assessment is by means of both essays and formal examinations with equal importance given to both. In fourth year, you will undertake a Capstone project. For more detailed information on all the modules offered, see: [www.tcd.ie/philosophy/undergraduate/course-outlines](http://www.tcd.ie/philosophy/undergraduate/course-outlines)

### Study abroad

Students have attended a wide variety of universities in different countries, generally in their second year. As we do not require students to attend a specific university, there is a great choice available (students choose a university in consultation with teaching staff). Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/ssp/undergraduate/study-abroad](http://www.tcd.ie/ssp/undergraduate/study-abroad)

### WHAT OUR GRADUATES SAY

#### Sarah O'Gorman

Philosophy requires an open mind and involves the inquiry into nature and reality, knowledge and values with the use of logical reasoning and argument. I was attracted to the Philosophy degree at Trinity because it offered an expansive introduction into numerous philosophical disciplines. One of the main appeals of the course is that you learn not to expect any straight answers but through reasoning you can regularly be enlightened all the same. Being a relatively small department means that all the staff became well-known, extremely approachable and one can see that they are chosen for their passion and knowledge in their specialised area.



## Get in touch!

[www.tcd.ie/philosophy/undergraduate](http://www.tcd.ie/philosophy/undergraduate) | **E** [philosophy@tcd.ie](mailto:philosophy@tcd.ie) | **T** +353 1 896 1529

Visit us:

If you are considering studying for a Philosophy degree at Trinity but want to be sure, you are most welcome to attend first and second year lectures. Contact us by email to arrange a visit.

# Philosophy, Political Science, Economics and Sociology, (P.P.E.S.)

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR015	554	34	4 years

## What is P.P.E.S.?

Philosophy, Political Science, Economics and Sociology (P.P.E.S.), offers a coherent and integrated introduction to the study of social sciences and philosophy. It brings together some of the most important approaches to understanding society and, in doing so, develops skills for a whole range of future careers and activities.

Central to the programme is the analysis of social and human phenomena through the lens of several complementary disciplines and analytical frameworks. By allowing a gradual specialisation over the course of the four-year degree programme, students ultimately obtain an excellent grounding in one, or at most two, of the disciplines which comprise the course.

Particularly appealing is the complementarity across the P.P.E.S. disciplines. For example, while the well-publicised rise in inequality has economic origins, it has political and sociological ramifications. Moreover, the question of whether to address it is ultimately a philosophical one. A training in P.P.E.S. enables students to analyse such issues rigorously and comprehensively. As such, it provides an excellent training in analytical thinking, a skill highly prized by employers.

## P.P.E.S.: The course for you?

Drawing on the methods and insights from philosophy and the social sciences, the course examines the way societies are organised, governed and create wealth. If you are curious about the way our world is structured and how it has evolved over time, this may well be the course for you.

A great strength of P.P.E.S. is its flexibility and the way it facilitates a range of possible subject concentrations and career trajectories. Even within disciplines there is a wide range of subject offerings. While all students attain a broad training in their first two years, the final two years allow students to cater the programme to their own strengths and interests. Depending on your interests, by your third year you could be either analysing exchange rate movements or Plato's Republic--or indeed doing both! Few courses anywhere offer such scope and diversity.

## P.P.E.S. at Trinity

Trinity College is the only university in the Republic of Ireland that offers this broad combination of subjects in a single programme. Other institutions, including Trinity, offer two subject combinations such as Economics and Political Science or Economics and Philosophy, but P.P.E.S. offers the opportunity to study these four

fascinating subjects together. Following the first two years, the programme facilitates two years of greater specialisation in either one or two of the subjects. At Trinity, we have world-class teachers and researchers who are committed to providing rigorous, interesting and challenging courses.

### WHAT OUR GRADUATES SAY

#### Patrick Lavelle

As an individual fascinated by current affairs, I was keen to pursue a course of study that would enable me to better understand how society functions and operates. My year at Sciences Po Paris was a highlight of my college experience, and offered me new insights and perspectives into my disciplines. Whilst I am now studying law at postgraduate level, if I were to go back, I would certainly have P.P.E.S. as my first choice on the CAO again. The adaptability of P.P.E.S. has helped with the transition into postgraduate study and the breadth of skills and experiences I gained have proven invaluable.

## Graduate skills and career opportunities

With technology increasingly replacing routine tasks, employers today value the ability to think creatively and to develop innovative solutions to complex problems. A key strength of P.P.E.S. is it provides students with such a training. Having studied a number of disciplines and developed numerous analytical skills, this degree confers the insights and skills to pursue careers in a variety of areas including public administration, teaching, journalism,

### Do you enjoy...

Analysing social, economic, and political issues?

Developing your own arguments and theories?

Formulating your own policy proposals?



## Special entry requirements

Leaving Certificate	O4/H6	Mathematics
GCSE	Grade B	Mathematics

## Possible Awards

**Single Honors**  
Philosophy  
Political Science  
Economics  
Sociology

**Major with Minor**  
Philosophy with Political Science, Economics, **OR** Sociology  
Economics with Political Science, Philosophy, **OR** Sociology  
Political Science with Economics, Philosophy, **OR** Sociology  
Sociology with Economics, Philosophy, **OR** Political Science

**Joint Honors**  
Philosophy and Political Science  
Philosophy and Economics  
Philosophy and Sociology  
Economics and Political Science  
Economics and Sociology  
Political Science and Sociology

media, law and management. Moreover, Philosophy, Political Science, Economics and Sociology (P.P.E.S.) also offers the opportunity to specialise and target certain career paths. Students specialising in economics, for instance, can pursue careers in finance, consulting, and public policy. Testifying to its breadth, graduates have pursued a variety of career paths after graduation. Recent graduates have found careers in such varied workplaces as Accenture, Augustus Cullen Law, Channel 4, Bank of Ireland, Deloitte, the Irish Central Bank, Greenpeace, and RTE. The link below gives information on the career paths taken by our graduates. [www.tcd.ie/careers/resources/publications](http://www.tcd.ie/careers/resources/publications)

## Your degree and what you'll study

## First year

In first year you will take all four subjects: Economics, Philosophy, Political Science and Sociology.

## Second year

In second year you can choose to continue with one, two or three of the subjects and could, for example, take modules ranging from Intermediate Economics, to the History of Philosophy to International Politics, to an Introduction to Social Theory.

## Third and fourth years

In third year you can take three of the four subjects, or one or two of the four subjects and modules from a range of open modules and Trinity Electives.

In the fourth year you may choose to take one or two subjects and can exit with a Single Honors, Major with Minor or Joint Honors award. All Students will complete a Capstone project in their final year. Module Descriptors for all four years of the programme can be found on the P.P.E.S. website: [www.tcd.ie/ssp/undergraduate/ppes/current/course-structure/moduleoutlines](http://www.tcd.ie/ssp/undergraduate/ppes/current/course-structure/moduleoutlines)

## Study abroad

In third year, students have the opportunity to apply to study abroad in a prestigious European university with the EU-funded Erasmus programme. In addition to Erasmus programmes in Europe, the Departments also have bilateral links with leading universities across the world. Our exchange programmes are highly successful, and are an extremely popular option for P.P.E.S. students each year. Participating students find that they are hugely enjoyable, academically and culturally rewarding, and appeal to prospective employers. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/ssp/undergraduate/ppes/current/study-abroad](http://www.tcd.ie/ssp/undergraduate/ppes/current/study-abroad)

## Other courses you might enjoy

TR005: Philosophy, page 106

TR012: History and Political Science, page 70

TR020: Law and Political Science, page 80

TR029: Political Science and Geography, page 112

TR081: B.E.S.S., page 30

TR083: Sociology and Social Policy, page 122



## WHAT OUR GRADUATES SAY

## Hannah Treanor

When researching courses during my final year of secondary school, it was the P.P.E.S. degree which struck a chord with me. The small class size, range of subjects and the fact that it was the only course of its kind in the Republic of Ireland, made P.P.E.S. stand out. Within the first few weeks, I knew I had made the right decision, having found a set of like-minded individuals who consistently helped balance academic pressures with humour and encouragement.

The range of courses offered on the course, overlapped much more than expected, while still providing a good insight into what each field entailed. This coupled with the opportunities afforded to me by Trinity, including spending a year studying at McGill University in Canada, along with college society involvement, has meant that my experience studying P.P.E.S. has been an absolute joy, equipping me with the desired broad skillset essential in the pursuit of both career aspirations and further study.



Get in touch!

[www.tcd.ie/ssp/undergraduate/ppes](http://www.tcd.ie/ssp/undergraduate/ppes) | [E ppes@tcd.ie](mailto:ppes@tcd.ie) | [T +353 1 896 1840](tel:+35318961840)

# Political Science



## What is Political Science?

Political Science is the study of governments, public policies and political behaviours. Politics affects us all in our daily lives. It is easy to think of issues that we all have opinions about. Should the government tax the rich to try to achieve greater equality? Should it introduce 'green taxes' in order to protect the environment? How high a priority should development aid be? What are the causes and consequences of 'Brexit'? Questions such as these, along with analysis of political systems, political behaviour, international relations and how democracy works, are at the heart of the study of political science.

The study of politics as an academic subject involves, among other things, thinking about how these decisions get made. If it is not possible to keep everyone happy, whose views should prevail and why? If governments do not always make what seems to be the most 'rational' decision on economic policy, why not? How much say do ordinary people have in policy-making, and is it feasible to make the decision making process more open? Other big questions we study include issues such as: why don't democracies go to war with each other? Why do civil wars last so long and why are ethnic conflicts more difficult to resolve than other forms of conflict?

## Political Science: The course for you?

Political Science will appeal to students who are excited about exploring the background to current events, the nature and use of power and how decisions are made that impact on wider society. If you are interested in having an in-depth knowledge of public affairs, developing critical and much sought after research skills and if your career interests lie in journalism, public service, teaching, public policy, international organisation and/or business then Political Science may be for you.

## Political Science at Trinity

Politics at Trinity is ranked in the top 100 in the world (QS World University Rankings by Subject, 2019). Political Science has been an important part of the curriculum since 1855 and Trinity has developed an international reputation for its research work on the European Union, comparative politics, comparative public opinion, international relations as well as democracy and development.

Political Science is studied as a Joint Honors subject with options below or as part of Philosophy, Political Science, Economics and Sociology (P.P.E.S.) (Page 108) or Business, Economics and Social Studies (B.E.S.S.) (Page 30).

- History and Political Science, page 70
- Law and Political Science, page 80
- Political Science and Geography, page 112

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

There are careers for which a demonstrated interest in politics and advanced research skills are a definite plus and will give you a real head start. Journalism, finance, the civil service, public relations, business, and work in international organisations and not-for-profit organisations, all come into this category. A demonstrated knowledge of how the world works is obviously an asset for many types of career. In addition, Political Science students develop exceptional communication, writing and critical thinking skills which are highly sought after by employers. An increasing number of graduates go on to do further postgraduate study.

## Your degree and what you'll study

Please see the individual course descriptions for History and Political Science; Philosophy, Political Science, Economics and Sociology (P.P.E.S.); Law and Political Science; Political Science and Geography; and Business, Economic and Social Studies (B.E.S.S.).

### First year

Introduction to Political Science, Introduction to Sociology, Introduction to Economics

### Second year

History of Political Thought, International Relations, Comparative Politics

### Third and fourth years

The following is a list of the modules typically on offer: Research Methods, Irish Politics, Democracy and Development, European Union Politics, Political Institutions of the US, Political Psychology, Political Violence, Political Theory: Contemporary Topics, Issues in Contemporary Politics, Contemporary International Relations, African Politics, Autocracy, Economic Inequality and Democracy. If you would like more detailed information on all the modules offered, please visit: [www.tcd.ie/political\\_science/undergraduate/module-outlines](http://www.tcd.ie/political_science/undergraduate/module-outlines)

### Assessment

Some courses are examined by a combination of assessed essays and formal examination; some others are assessed through coursework only. Normally, each course has two hours of lectures and one tutorial per week. In fourth year, students specialising in Political Science will have the opportunity to research and undertake a Capstone research project on a topic of their choice. Final year classes are typically run as small group seminars.

Political Science may be studied through five degree programmes:

**TR012** History and Political Science, page 70

**TR015** Philosophy, Political Science, Economics and Sociology (P.P.E.S.), page 108

**TR020** Law and Political Science, page 80

**TR029** Political Science and Geography, page 112

**TR081** Business, Economic and Social Studies (B.E.S.S.), page 30



## Study abroad

The Department of Political Science is a partner in Erasmus exchanges with the Institut d' Études Politiques in Strasbourg and Paris, the University of Zurich, the University of Bologna and the University of Mannheim. Students taking Political Science as a subject in Joint Honors may also go abroad on an exchange administered by other departments, subject to approval of their course of study abroad by the Department of Political Science. In addition there are opportunities for students to go on one of several international exchanges. These are open to all students on a University-wide basis. Further information on student exchanges can be found at: [www.tcd.ie/study/study-abroad/outbound/options](http://www.tcd.ie/study/study-abroad/outbound/options)

### WHAT OUR GRADUATES SAY

#### Éamonn Fahey

The Political Science Department provided me with an exceptional academic experience. Over my four years of study, I developed a well-rounded understanding of the subject. With the country's best resourced library, a vast online academic infrastructure and a department staffed by world leading academics, the University really helped develop my capabilities as a political scientist. I would recommend the department to any student with an interest in social science looking to begin a challenging and rewarding journey.



## Get in touch!

[www.tcd.ie/political\\_science](http://www.tcd.ie/political_science) | [www.tcd.ie/political\\_science/undergraduate](http://www.tcd.ie/political_science/undergraduate) | [E polsci@tcd.ie](mailto:polsci@tcd.ie) | [T +353 1 896 1651](tel:+35318961651)  
Student profiles | [www.tcd.ie/political\\_science/undergraduate/testimonials](http://www.tcd.ie/political_science/undergraduate/testimonials)



# Political Science and Geography

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR029	496	15	4 years



## What is Political Science and Geography?

In a rapidly changing international economic, political, security and environmental context the tools of Political Science and Geography are becoming increasingly important to analyse global problems and provide policy solutions.

The two disciplines have been associated through the sub-fields of political geography, which covers geographical differences in voting patterns, for example, and through geopolitics, which examines how the great powers influence other parts of the planet. Global challenges, such as climate change, the movement of migrants, or the rise of right wing populism require interdisciplinary perspectives on the social, political and environmental aspects of these phenomena. The course Political Science and Geography aims to provide the student with the interdisciplinary set of tools necessary to understand and address these growing challenges.

## Political Science and Geography: The course for you?

If you are interested in the disciplines of Political Science and Geography and you hope to develop a critical understanding of the relationship between the earth's natural and human phenomena and its political institutions and systems, then this is the course for you. Trinity, with its world-renowned research faculty, facilities, and unique emphasis on transferable methodological skills, will provide you the tools that you need and that employers seek.

## Political Science and Geography at Trinity

The Departments of Political Science and Geography have some of the foremost scholars and lecturers in their field who are committed to providing cutting edge research and teaching.

The Department of Political Science, [www.tcd.ie/political\\_science](http://www.tcd.ie/political_science), is one of the top political science departments in Europe. In the 2019 QS world rankings it was ranked in the top 100.

Political science been an important part of the curriculum since 1855 and Trinity has developed an international reputation for its research work on the European Union, comparative politics, comparative public opinion, international relations as well as democracy and development. You will acquire highly desirable skills, from the ability to analyse facts and theory critically, to more tangible methodological tools needed in nearly every career.

Geography, [www.tcd.ie/geography](http://www.tcd.ie/geography), at Trinity is a world leading department, ranked in the top 100 in the world (QS World University Rankings by Subject, 2019). Staff have received major research grants from the European Research Council, United States National Science Foundation and Irish Research Council. The department delivers an exciting curriculum which covers topics from global sustainability to the landscapes of Mars, delivered by world leading experts in their fields. Students also have the opportunity to undertake overseas fieldwork, to study overseas and to undertake substantial (guided) Capstone project.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Careers for graduates lie in fields such as public and European affairs, overseas assistance, resource management and risk assessment, the supply of environmental-related advice to governments and industry, the study and practice of environmental policymaking, and teaching and higher education.

The varied and exciting career paths of some of our graduates can be found at: [www.tcd.ie/careers/resources/publications](http://www.tcd.ie/careers/resources/publications)



### WHAT OUR GRADUATES SAY

#### Aisling O'Boyle

I chose to study Political Science and Geography at Trinity because it is the only college in Ireland which offers these subjects as a specific course and is unique in that you study both a natural science and a social science. With only 15 people you automatically have a strong group of friends and a great course dynamic. Geography at Trinity is situated in the beautiful Museum Building and there are a large range of subjects across Physical and Human Geography meaning you can specialise in your final two years. In Political Science you explore a broad range of fascinating concepts and topics while building strong research and analytical skills. The magic of Trinity lies in its societies which enable you to build friendships, skills, and knowledge outside the classroom.

I would recommend Political Science and Geography for anyone who wants to learn more about the world around us and the structures and forces that govern it.



## Your degree and what you'll study

In the first two years you will take modules that will each require attendance, on average, of two hours of lectures and one tutorial per week. In fourth year there is a reduction in the number of modules required to allow greater depth of study and more independent work.

### First year

In first year you will study three Geography modules covering 'Human Geography: Society and Space', 'The Anthropocene' and 'Spaceship Earth: An Introduction to Earth System Science' and three Political Science modules covering Introduction to Political Science, Introduction to Sociology and Introduction to Economic Policy.

### Second year

In second year you will study Geography modules covering Physical Geography, Human Geography and Geography seminars, and Political Science modules covering Comparative Politics, International Relations, and the History of Political Thought. You will also have the option to study a Trinity Elective.

### Third year

In third year students take Geography modules which are drawn from a list of options (see [www.tcd.ie/geography](http://www.tcd.ie/geography) for more information). For those students planning to continue Geography in fourth year as their sole subject, advanced research methods in Geography is compulsory. On the Political Science side, students may take any three options (see [www.tcd.ie/political\\_science/undergraduate/module-outlines](http://www.tcd.ie/political_science/undergraduate/module-outlines) to view the modules currently offered); students intending to take Political Science alone in the fourth year must take Research Methods for Political Science in their third year.

### Fourth year

In fourth year, students may take both subjects equally or one subject alone. See [www.tcd.ie/geography/undergraduate/political-science-geography](http://www.tcd.ie/geography/undergraduate/political-science-geography) to view the current modules offered for fourth year students in Geography and [www.tcd.ie/political\\_science/undergraduate/module-outlines/](http://www.tcd.ie/political_science/undergraduate/module-outlines/) for those offered in Political Science. Most modules are assessed by a combination of coursework and examination performance.

## Study abroad

There are opportunities for students to spend all or part of the third year studying abroad in the Czech Republic (Charles University Prague), United Kingdom (Exeter University), France (University of Bordeaux III, and The University of Paris Sorbonne), the Netherlands (University of Utrecht), Sweden (Stockholm University), Poland or Spain. Participating in these opportunities is dependent upon the exchange fulfilling the course requirements of both departments.

### Other courses you might enjoy

TR062: Geography & Geoscience, page 184

TR012: History and Political Science, page 70

TR015: Philosophy, Political Science, Economics and Sociology (P.P.E.S.), page 108

TR020: Law and Political Science, page 80

TR081: B.E.S.S., page 30

### WHAT OUR GRADUATES SAY

#### Maria Fernandez-Pita

The Political Science and Geography degree gave me the opportunity to develop an interdisciplinary understanding of many of the current affairs that are shaping today's world; from climate change to human rights issues, touching, also, upon pressing problems society faces today, such as terrorism. Trinity encouraged independent learning and gave us every facility to undertake research thanks to its extensive library and the best and most current academic tools to enable its students to learn. Coupled with the beauty of its campus, and the many activities one can get involved in during university in terms of societies and clubs, it was impossible not to fall in love with Dublin over the four years of my degree.

Two years later I find myself applying the critical thinking and analysis skills the degree equipped me with within my M.Sc. Programme in Management at IE Business School, specialising in international business.



[www.tcd.ie/political\\_science/undergraduate/political-science-geography](http://www.tcd.ie/political_science/undergraduate/political-science-geography) | E [courseoffice@tcd.ie](mailto:courseoffice@tcd.ie) | T +353 1 896 1298  
Course Director: Dr Patrick Bresnihan | E [pbresnih@tcd.ie](mailto:pbresnih@tcd.ie)

# Psychology

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR006	532	40	4 years

## What is Psychology?

Psychology is the study of human behaviour and mental processes. It includes topics such as infant and child development, perception, learning, motivation, cognitive processes (like memory and problem solving), individual differences and social psychology, and has many of the features of a science course, such as practical work, statistical description and analysis of data and courses on the underlying physiology of the human brain.

## Psychology: The course for you?

The School of Psychology aims to offer a knowledge base and a set of skills that not only equip students for the many careers that exist in psychology, but also prepare students intellectually for other careers.

Psychology is a branch of science that demands clear, rigorous thinking, numeracy and the ability to define, study and solve problems in complex, changing settings. It is also an applied science that deals with how people act and behave in the real world and provides support for people in their social life and work, for example, through clinical and counselling interventions. If you are interested in the factors influencing human thinking, feeling and behaviour you will enjoy this course.

## Psychology at Trinity

Trinity's School of Psychology is ranked in the top 150 universities for Psychology in the QS World University Rankings by Subject 2019. As well as offering high-quality teaching, the school collaborates with a number of other disciplines through Trinity College Institute for Neuroscience, the Trinity Centre for Global Health, and the Trinity Centre for Innovative Human Systems.

Students are encouraged to become actively involved in our ongoing research, particularly in the third and fourth years of their studies. The Single Honors degree confers eligibility for graduate membership of the Psychological Society of Ireland and provide the basis for entry to postgraduate programmes, such as those in clinical psychology and counselling psychology.

## Graduate skills and career opportunities

Many psychology graduates proceed to a career in professional psychology through professional training. The School of Psychology itself offers a range of postgraduate programmes including professional doctorates in Clinical Psychology and Counselling Psychology, master's degree courses in Applied Psychology, Applied Behaviour Analysis and Clinical Supervision, as well as online postgraduate qualifications in Managing Risk and System Change, the M.Phil./P.Grad.Dip. Psychoanalytic

Studies and research M.Sc. and Ph.D. degrees. However, the advanced understanding of human behaviour and experience and the wide range of skills developed during the course have allowed students to enter many professions, ranging from management, marketing, advertising and accountancy, to journalism, broadcast media, teaching and recruitment. Seminars about career development will be provided by the school during the course of your degree.

## Your degree and what you'll study

The course is designed to develop a wide knowledge of the concepts, principles, theories and research methods of contemporary psychology; to develop skills of analysis and synthesis, research design, statistical description and evaluation, problem-solving and computer use; to provide practice in the design, execution, reporting and assessment of research and to develop competence in group work, communication and presentation skills and self-assessment.

During the lecture term, Single Honors students spend approximately 10-12 hours per week receiving tuition such as lectures, tutorials, seminars and laboratory practicals.

## First and second years

As a first and second year student, you will take foundation-level modules in a range of areas such as: Foundations in Psychology; Social Psychology; Perception; Psychological Disorder; Developmental Psychology; Cognition and the Brain, the Psychology of Language; Thinking; Fundamentals of Neuroscience and Behaviour; Evolutionary Psychology; Personality and Individual Differences; Research methods and Statistical Analysis.

You will also be given the opportunity to take modules from other programmes across the university.

## Do you enjoy...

Trying to understand other people's behaviour?

Trying to understand how the brain works?

Conducting your own research to answer questions?





#### WHAT OUR CURRENT STUDENTS SAY

##### Lisa Gannon

Psychology has not only prepared me for my future career, it has prepared me for life. As a psychology student I have gained fascinating insights into the enigmatic human mind and the peculiarities of human behaviour. The diverse and comprehensive range of modules offered in psychology as well as the vast array of helpful resources made available by the School have equipped me with a rich theoretical understanding of the human psyche and an aptitude for critical thought. I hope to use the knowledge and skill I have gained through studying psychology to make a positive and valuable contribution to society.



#### Third and fourth years

By third year you will have identified areas within psychology that are of particular interest to you and you will have the opportunity to develop these interests throughout third and fourth year, by choosing modules from a series of advanced options.

On completion of the course, students must have taken at least one module from each of the five specified thematic areas (Biological, Social, Developmental, Cognitive, and Personality and Individual Differences). The type of modules which have been offered within each of these areas include: Biological: Neurological Rehabilitation; Preclinical and Clinical Models of Neuropsychiatric and Neurological Disorders; The Brain Throughout the Lifespan; Case studies in Neuropsychology; Making Sense of Action; Social: Social Neuroscience; Advanced Psychology of Language; Moral Development in Childhood; Human Factors and Organisational Factors; Social Psychology and Discourse; Developmental: Child Development in Changing Family Contexts; Applied Issues in Developmental Psychology; Child and Adolescent Clinical Psychology; Child Health and Well-being; Cognitive: Human Reasoning; Creative Cognition; Development of Perception Throughout the Lifespan; Perceptual Neuroscience; Personality and individual differences: Health Psychology; Psychology of Criminal Behaviour; Clinical Psychology and Intellectual Disabilities

In fourth year a large part of your workload involves carrying out an independent Capstone project under the supervision of a member of staff. Many students report that this project, while challenging, is one of the most rewarding parts of the course.

#### Assessment

A combination of end-of-semester written examinations and continuous assessment is used. In your final year, you will also undertake a Capstone project.

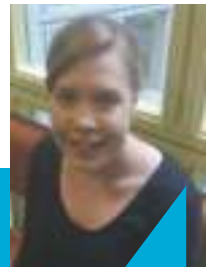
#### Study abroad opportunities

Second and third-year undergraduates are eligible to apply to study for one or more semesters (usually a whole academic year) in certain other European psychology schools, and, where appropriate, some subsistence funding provided by the EU Erasmus fund. There are no basic course charges to be paid abroad. Assessment is carried out in the host (i.e. international) institution and is accepted by Trinity as if students were examined here. The School of Psychology has bilateral agreements with several European universities, including the University of Helsinki, Freie Universität Berlin, Erasmus University Rotterdam and Université Paris V.

#### WHAT OUR GRADUATES SAY

##### Sinéad Moylett

After observing the work of an educational psychologist while working with individuals with autism and from other experiences working with Intellectual disabilities, I choose to study Psychology. The broad range of topics that I was able to study on the course, from health psychology to neuroscience, could have prepared me for a number of career paths not just within Psychology, but also in the wider world. I enjoyed my time so much during my degree, that when it came to choosing a field in which to complete a Ph.D., I felt that there was only one real choice.



# Religion

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR041	New programme	8	4 years
Joint Honors (see below)	331-506	22	4 years

Religion has the following entry options:

**TR041 Single Honors Religion AND Joint Honors options as follows:**

**TR117** Ancient History and Archaeology

**TR454** History

**TR565** Middle Eastern, Jewish and Islamic Civilisations

**TR638** Music

**TR663** Classical Civilisation

**TR664** English Literature

**TR665** History of Art and Architecture

**TR666** Modern Language\*  
(French, German,  
Italian, Russian)

\* See page 86 for language options and requirements

## What is Religion?

Religion plays a significant role in diverse cultural, social and political contexts. Religious world-views, values and symbols play a critical role in shaping cultural norms, traditions and practices. This is the case both in religiously plural contexts, as well as those dominated by particular traditions. The contours of religion are evident not only in the artefacts that transmit a culture's heritage (such as architecture, visual arts, illuminated manuscripts, literature, etc.), but also in contemporary debates about the evolving identities of societies in a world characterised by religious pluralism.

Students on this course will be engaged with contemporary debates about, for example, the nature and impact of political religion, religion and modernity, religion and gender, religion and violence, religion and human rights, and ethics in politics.

## Religion: The course for you?

This course offers you a choice of three possible directions of study after your first year. The first is a broad-based study of Religion and Theology, the second a specialisation in the Cultural Study of Religion, and the third in Christian Theology. Within the Cultural Study of Religion, you have the opportunity to explore the monotheistic religions of Judaism,

Christianity and Islam, the religions of Asia and Africa, as well new atheistic and religious movements. If you choose to specialise in Theology, you can investigate the development of Christian self-understanding in a number of different modes, including denominational, multid denominational and ecumenical aspects.

## Religion at Trinity

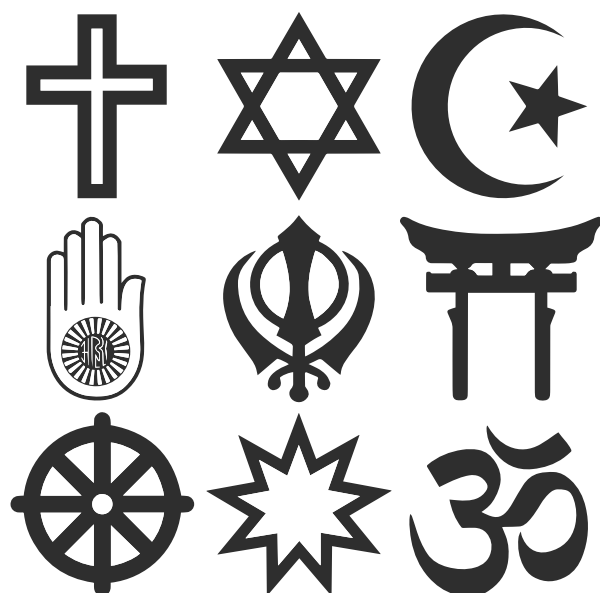
In combining theological study with the study of religion, this degree is unique in Ireland. Trinity's School of Religion is internationally recognised for its strengths in biblical studies, philosophical and theological ethics, peace studies, historical and systematic theology and religious studies. These strengths ensure that student experience combines in-depth analysis with breadth of subject matter that presents religious traditions in their historical, intellectual, cultural, aesthetic, political and ethical dimensions, as well as examining how religious traditions have interacted, and continue to interact, with the context of their origins and development.

## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

This course offers students the opportunity to develop all four of Trinity's graduate attributes of thinking independently, communicating effectively, developing continuously and acting responsibly. Graduates from our School have entered a wide range of professions, including: law, education (primary and secondary), information technology, pastoral ministry, the civil service, creative arts, publishing, accountancy, as well as continuing on to further research in Ireland and abroad.



## Do you enjoy...

Encountering the otherness of religions through their sacred writings, histories and traditions?

Entering into critical debate in the field of ethics – concerning, for example, war, media, environment, gender or politics?

Exploring the various ways in which truth claims are advanced, debated and embodied in arguments, doctrines and institutions?

#### WHAT OUR CURRENT STUDENTS SAY

##### Orla Eady

I'm currently going into the fourth year of my undergraduate course in Religion. I chose Trinity for this undergraduate as it had the particularity of offering courses in the study of Religion and World Religions, which were my main areas of interest. While these are the areas that I found attractive in the field, I ended up choosing many modules in Theology and Biblical studies as well and they proved to be really enriching and I loved the philosophical and ethical issues that we addressed. I also had the opportunity to take up a language in my second year and I chose Arabic. I have always enjoyed learning languages and this is one of my favourite classes. This is a small course and the department makes each student feel welcome and the lecturers really are amazing. The course is varied and interesting and I would certainly recommend it to anyone interested in learning more about Religion in the modern world but also key debates and challenges in the history of religion.



## Your degree and what you'll study

### First year

In your first year of study, twelve modules help to immerse you in this field of scholarship. Classical religious texts – the Hebrew Bible, the New Testament and the Qur'an – are introduced in their historical contexts. You will study Judaism, the religions of the ancient Mediterranean world, and the Dharmic religions of India. You will be introduced to ethics, philosophy and the study of religion, as well as theology through an engagement with some of their major thinkers, texts and methods. Before moving into your second year, you will be invited to consider the direction that you would like to pursue in your studies over the coming years in each specialism of the course.

### Second and third years

Throughout these years, your modules offer an increasingly focused and state-of-the-art engagement in your chosen field. Different genres of literature and historical reconstruction are addressed in biblical studies. Theology looks both to the emergence and reception of classical doctrines, as well as to topical issues of religion and science, and theology and social justice. The field of ethics is explored through issues of gender and human rights, bioethics, technology, environment and war and peace. There is an opportunity to study Islamic philosophy, mysticism and education. During these years it is also possible for you to study Hebrew or Greek.

### Fourth year

The major accomplishment of your final year is your Capstone project – an individual research project. This is an important achievement of supervised and self-directed research and writing. In addition to the Capstone research project, final year modules offer you the opportunity to engage with current issues of research activity within the School. These areas currently include: religion, war and peace; multiple modernities; theologies of church and eucharist; the study of ritual; queer theological ethics; religion and the arts; Islamic political ethics. You may also continue to study Greek or Hebrew at an advanced level.

### Assessment

The range of assessment strategies reflects the goal of enhancing student education through diversity and quality of experience. Some modules are assessed by end-of-semester exams combined with summative essays; others rely exclusively on essays; others require the creation of a portfolio of short assignments; others include in-class tests.

## Study abroad and internship opportunities

Students in the School of Religion may avail of opportunities to study abroad in Glasgow University, U.K., or in K.U. Leuven, Belgium. As part of the third year module 'Theology and Social Justice: Community Engagement in Dublin City', students are required to undertake a placement with a social justice agency in Dublin.



## Get in touch!

Further information and contact details | [www.tcd.ie/religion](http://www.tcd.ie/religion)



# Social Studies (Social Work)

**B.S.S. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR084	453	45	4 years



## What is Social Studies?

The B.S.S. is a professional degree designed for students who wish to become social workers and who believe they have the personal attributes and motivation for social work.

This degree combines an academic social science degree with professional social work training. B.S.S. degree graduates are eligible to apply for registration with CORU (Irish Social Work Registration Board) and once registered can access employment in a wide range of social work posts in Ireland. Graduates can also apply for registration in the UK and internationally.

Social work is a profession concerned with supporting and helping people in a variety of situations and settings. People who use social work services include young and adult offenders, children, families, older people, people with mental and physical illness and disability, homeless people, unemployed people, ethnic groups, Travellers and people with drug and alcohol problems. Ultimately, social work aims to support people to live more successfully, within their communities, by helping them to find solutions to their problems.

## Social Studies: The course for you?

Social Studies could be the right course for you if you wish to work in a caring and challenging profession. Most importantly, it is the right course for you if you have the ability to problem solve, a willingness to make challenging decisions alongside a strong desire to effect positive change.

## Social Studies at Trinity

This is one of only two undergraduate programmes in Ireland which qualifies students to a professional level in social work. A qualification in the area of social work has been taught in Trinity since 1934, making it Ireland's oldest and most internationally renowned social work programme.

The small class size ensures that there is a friendly relationship between staff and students that is based on mutual respect. The degree programme which is accredited by CORU combines teaching on a range of social science subjects alongside work placements. The Social Studies degree is an interesting and intensive programme which aims to help you become a reflective and proactive professional social worker who will make a significant contribution to society.

## WHAT OUR GRADUATES SAY

### Annmarie Nolan

In B.S.S., you receive four years of intense social work training which prepares you for any social work role in Ireland and abroad. The standard of graduates from B.S.S. is extremely high and potential employers recognise this. Social Work is a career that has great career prospects with a huge variety of roles, so, if you're interested, apply for B.S.S. and you won't regret it.



## Graduate skills and career opportunities

As a Social Studies graduate of Trinity, you are eligible to apply to register as a professionally qualified social worker with CORU. Your qualification will be recognised in many other countries. You also have a good Social Science degree that allows you to move into policy, media, research or NGO project work. As a social worker, you can continue your professional development through postgraduate courses and can move into management, research or training.



## Do you enjoy...

Helping others?

Communicating with people  
and listening to them?

Learning to cope with  
stressful situations?

Discovering issues in the  
social justice area?

## Special entry requirements

See health screening, page 247

Students will be required to undergo Garda vetting, see page 247 for further details.

On successful completion of this programme, students will have acquired and demonstrated the necessary knowledge, skills and ethical base for professional social work and will have satisfied the requirements for an honors social science degree. Graduates will also be eligible to apply for registration as professional social workers with CORU. [www.coru.ie/files-codes-of-conduct/swrb-code-of-professional-conduct-and-ethics-for-social-workers.pdf](http://www.coru.ie/files-codes-of-conduct/swrb-code-of-professional-conduct-and-ethics-for-social-workers.pdf)



## Your degree and what you'll study

This course introduces you to a wide range of social science subjects in the first year, and then increases the number of social work subjects in the following three years. Teaching methods are varied, interactive and draw on your personal and practical experience. Assessment includes written examinations, essays, case studies, projects, and placement reports.

### First and second years

First year subjects include Introduction to Social Work, Psychology, Social Policy, Sociology, Economic Policy and Political Science. Optional courses in either French or German are also available. In first year, there are approximately 13-15 hours in lectures, 3-4 hours in tutorial classes and several hours in the library each week. If you have had no relevant practical experience before starting the degree, we ask you to do 30 hours (2-3 hours per week) volunteer work during first year to build your practical experience and help you to apply what you are learning to a real-world situation. First year students are also provided with the opportunity to undertake a six-week placement related to the course (see below for further details).

In second year, core subjects are Social Work Theory and Practice, Law for Social Workers, Social Policy, Psychology and Social Research. In addition, you can either continue your language studies or choose one elective course from additional Social Policy subjects or an Economic subject. Second year students can also avail of the opportunity to take a Trinity Elective. The social work modules involve field trips to relevant organisations and services. In addition, students undertake a ten-week placement during this academic year.

### Third and fourth years

Third and fourth year subjects include: Family and Child Care Studies; Social Policy; Sociology; Mental Health; Equality Issues; Group Work; Human Rights Law as well as Social Work Theory and Practice, including counselling skills and practice workshops.

### Placements in Ireland

In each of the four years you will have a placement in a different social service agency, under the supervision of an experienced practitioner. These placements provide you with practical experience and an opportunity to apply and develop the skills and knowledge that you have acquired at Trinity.

Placements are arranged in settings such as child and family welfare teams, hospital social work departments, child and family centres, probation service and community development projects. They account for approximately 30% of your course time (220 days) over the four years and take place at the end of each of the first and second years and mostly in term time in the third and fourth years. You are supported in your professional development by an individual social work tutor who meets you regularly and visits you on placement from third year onwards.

### Study abroad

#### Placements abroad

Overseas placements are possible (but not obligatory) within the course structure for those who are interested in experience in another country (e.g. the UK, North America, Australia).



#### WHAT OUR CURRENT STUDENTS SAY

##### Leah Keogh

To those looking for a comprehensive, challenging, diverse and relevant degree, this may be the one for you.

The small class sizes allow for a more personable experience. They have given me the opportunity to build good working relationships with my course-mates and professors, providing a solid support network throughout the four years. The reputable and professional nature of the degree provides many career opportunities, often stemming from the 4 compulsory placements. Placements also allow for travel opportunities. For my first placement I worked at a summer camp with the disadvantaged youth of New York City in upstate New York. This was an incredible experience and a great introduction to social work practice.



## Get in touch!

[www.tcd.ie/swsp/undergraduate/social-studies](http://www.tcd.ie/swsp/undergraduate/social-studies) | [social.studies@tcd.ie](mailto:social.studies@tcd.ie) | [+353 1 896 2347](tel:+35318962347)

[www.facebook.com/swsp.tcd](https://www.facebook.com/swsp.tcd) | [@SWSP\\_TCD](https://twitter.com/SWSP_TCD)

# Sociology

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Joint Honors (see below)	456-509	59	4 years

Sociology is studied as a Joint Honors subject with one of the following options:

- TR212 Economics
- TR272 English Literature
- TR332 Geography
- TR452 History
- TR662 Philosophy
- TR755 Drama Studies
- TR756 Modern Language\*  
(French, Irish, Spanish)

\* See page 86 for language options and requirements

## What is Sociology?

Sociology studies the interaction of people within social groups like families, schools and companies and how this shapes their behaviours and life chances. It explores questions such as: why do migrants develop their cultural identities in different ways? How is privacy changing with the rise of digital technologies? How does a child's family of origin shape their chances of educational success and future job? Do state rules and regulations represent and protect elite power? Sociology is foremost among the social sciences in its understanding of social change.

## Sociology: The course for you?

If you want to understand the social changes taking place in the world today, and you are curious about people and society, then Sociology is for you. You will also gain the ability to understand topical issues and to present and communicate information and thoughts coherently. In addition, you will learn invaluable analytical, communication, research and presentation skills – transferable skills which can be applied to a wide range of careers and postgraduate programmes.

## WHAT OUR CURRENT STUDENTS SAY

### Cacciaguidi-Fahy Emel

Studying Sociology has helped bring deep and engaging insights to the questions of identity, mobility and people's relationships. The four years of wide-ranging study in sociology challenged me across many dimensions and I left the degree with critical thinking capability that will allow me to thrive in life and the world of work.

## Sociology at Trinity

There has been a rich tradition of sociological education at Trinity since the 1960s. The department is committed to advancing the understanding of society and to igniting the passion of our students through exceptional teaching and research. The Sociology Department is in the top 150 in the world (QS World University Rankings by Subject, 2019). The Department of Sociology is internationally known for its work on education and employment, migration, identities, social inequalities, conflict and digital lives. The department has won several teaching awards – both for postgraduates and staff – for outstanding contribution in the pursuit of teaching excellence.

As a recent graduate put it, Sociology explains how the great thinkers predicted the ills of modern society from social isolation to empty hospital wards. It questions the future of whether India can and will become the next China, and whether the internet will undermine traditional communities. It explains the underlying reasons why European societies are culturally so different. It tackles the big social issues of conflict, race, migration, gender and popular culture. It teaches you how to understand, research and explain all of these topics in a logical, organised fashion.

## Do you enjoy...

Debating how globalisation impacts on work conditions in the developed and developing world?

Finding out how changes in gender roles are reshaping developed and developing societies alike?

Learning the facts about why some societies are more unequal than others and the consequences of this?





## Pathways

The pathways available are Single Honors, Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

Sociology graduates find that their broad training and appreciation of how society and people work means they can thrive in careers in the media, journalism, consulting, academia and teaching, policy analysis, non-governmental organisations, management, and advisory roles in the public service. Graduates are working for organisations as diverse as Goodbody Stockbrokers, the ESRI, the European Parliament, Citibank, RTÉ, Google, the Department of Foreign Affairs and Enterprise Ireland.

## Your degree and what you'll study

Our modules cover Ireland, the wider European society, the non-European world and the global arena. The first two years are more general and foundational in nature while the third and fourth years are characterised by smaller, more intimate classes that attempt to challenge you intellectually and encourage problem solving and critical thinking skills.

Sociology teaching in the first and second years emphasises the understanding of the basic principles of sociology and the acquisition of both quantitative and qualitative skills necessary for more in-depth study. In first year, you are introduced to the distinctive questions that sociologists ask about human society, and the theories and concepts used in the search for answers. You have approximately 6 hours of lectures and 3 hours of tutorials per week in Sociology.

In the second year, you study issues around gender, work and family; power, state and social movements, and are introduced to sociological research methods and theory.

Specialisation in sociological topic areas, and more advanced analysis, research and presentation skills are provided in the third and fourth years. In your third year, you learn about Globalisation and Development; Comparative Sociology of Europe; Race, Ethnicity and Identity; Social Stratification and Inequalities, and carry out research projects involving analysis of both numerical data from surveys, and verbal data that are the outcomes of recorded interviews and focus groups. The fourth year offers modules in a variety of topic areas, including Digital Lives and Social Networks; Labour Markets, Gender and Institutions; Migration, Mobilities and Integration, and Conflict Studies. You have the opportunity to carry out your own independent Capstone research project from start to finish on a topic of your choice (recent projects included: Immigration and the prison system, Unmarried fathers' participation in their children's lives, and Counterurbanisation in the Irish countryside). Many students find this a great asset when talking to employers and applying for jobs.

Modules are examined by a combination of continuous assessment including essays, portfolios, individual and group presentations, and the formal end-of-semester examination. In addition, students specialising exclusively in sociology in their final year complete a Capstone project.

## Study abroad

Around one third of our undergraduate students participate in Erasmus and non-EU international exchanges. You may participate in full-year or half-year exchanges with the following partner institutions: Sorbonne University (France), University Lille 1 (France), Charles University Prague (Czech Republic), Umea University (Sweden), University of Copenhagen (Denmark), University of Helsinki (Finland), University of Malta (Malta), Istanbul Bogazici University (Turkey), Utrecht University (Netherlands), Ludwig Maximilian University Munich (Germany). In addition, you can compete for a smaller number of places on university-wide non-European exchanges with partners in Australia, Singapore, China, Japan, Hong Kong, Brazil, Canada and the USA in your third year. Most of these universities offer their courses through English.

### WHAT OUR GRADUATES SAY

#### Ellen O'Keefe

Studying sociology has been an incredibly enriching, mind-opening and rewarding experience. Studying sociology at Trinity has changed how I view the world, helping me to develop a more critical understanding of power, inequality and the forces shaping our society.



## Get in touch!

Department of Sociology, School of Social Sciences and Philosophy, Trinity College Dublin, The University of Dublin, Dublin 2, Ireland  
[www.tcd.ie/sociology](http://www.tcd.ie/sociology) | [sociology@tcd.ie](mailto:sociology@tcd.ie) | [+353 1 896 2701](tel:+35318962701)

# Sociology and Social Policy

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR083	452	28	4 years



## What is Sociology and Social Policy?

Sociology and Social Policy combines the study of social theory, social policy and social research. The programme aims to give you a thorough training in the systematic study of society, contemporary social issues and the role of social policy in comparative country contexts. At the end of your four years you should have developed both a general sociological understanding, specific expertise in various contemporary policy issues as well as in the process of policy making.

## Sociology and Social Policy: The course for you?

Curious about social and economic policy issues around the world? Searching for a course that demands both academic and vocational qualities? Interested in understanding society, its social problems and have a desire to make a difference? Then Sociology and Social Policy may be the degree for you. It is a unique programme which combines the study of social theory, social policy and social research. It is particularly relevant to students intending to pursue a career in research, social policy analysis and evaluation, management and planning within the social services, both voluntary and statutory, as well as to those with a general interest in society and social policy.

## Sociology and Social Policy at Trinity

Trinity's School of Social Work and Social Policy strives for an ethos that values multi-disciplinary scholarship; research-led teaching; a diverse student base; a student-centred approach to education and pastoral care; public service; partnership with colleagues in other parts of the University, and with colleagues in other institutions; international experience, connections and integration between teaching, research and policy influence. Social Policy in Trinity ranks in the top 100 universities worldwide (QS World Rankings by Subject 2019), making Social Policy at Trinity the highest ranking university in Ireland.

## Graduate skills and career opportunities

The range of employment opportunities in the area of social and public policy continues to expand. This is a particularly relevant degree for those interested in pursuing a career in the formulation of policy in the public sector, community development and voluntary/non-profit sectors. Graduates of the programme have secured employment as social researchers, policy analysts government advisors and journalists recruited by companies such as Eurodesk (Brussels Link), the Web Summit, Inner City Organisation Network, Focus Ireland, Migrant Rights Centre, the public service, Reiss and various education

### WHAT OUR GRADUATES SAY

#### Laura Bambrick

Studying Social Policy in Trinity opened up opportunities beyond imagination in giving me a world-class education from lecturers who continue to support me long after I graduated. After Trinity, I completed a master's and Ph.D. in Social Policy at the University of Oxford. I worked in the Office of the Assistant Secretary General at the United Nations Headquarters in New York; in the Social Justice and Policy Unit of the Society of Vincent de Paul National Office; in the Minister's Office in the Department of Social Protection and in the Office of the Tánaiste. I am currently the Social Policy Officer at the Irish Congress of Trade Unions.

facilities, to name but a few. The course also provides a solid foundation for specialist postgraduate courses in the areas of social research, social policy and social work.

## Your degree and what you'll study

The fundamental aim of the degree programme is to give students a thorough training in the systematic study of society, contemporary social issues and how policy works. Teaching methods include lectures, seminars and group project work utilising innovative approaches enhanced by digital technologies. Assessment is by a combination of continuous assessment, written submissions, class presentations, written examinations and a final year Capstone project.

## Do you enjoy...

Contemplating the prospect of getting involved at the coal-face developing policies, services and visions of how we, as a society, could organise ourselves better?

Learning about what makes for better and worse evidence about society and how it can be used to both understand and change it?





# CAPITALISM

## WHAT OUR CURRENT STUDENTS SAY

### Niall Costello

I can say without doubt that Trinity's sociology and social policy degree acts as an excellent entry into this fascinating world of social science and research. I believe this final year dissertation is also an excellent induction for those wishing to progress to master's or Ph.D. level.

## First year

In first year you will take introductory modules in Sociology, Social Policy, Political Science and Economic Policy. Open modules include Mathematics and Statistics; Introduction to Law; a choice of language (French, German, Russian, Polish); Introduction to Psychology; Introduction to Central, East European and Russian Area Studies.

## Second year

The second year places greater emphasis on social policy and sociology modules. Sociology modules include Introduction to Social Research Methods; Social Theory; Gender, Work and Family and Power, State and Social Movements. Irish Social Policy modules include Housing and Homelessness, Crime and Society, European Refugee Policy and Critical Analysis & Argument Development. You will also be given the opportunity to take modules from other programmes across the university under the Approved Module and Trinity Electives model. This can include other social science modules such as Economy of Ireland; Economics of Public Policy; History of Political Thought; International Relations; Comparative Politics; Introduction to Irish Family Law; French, German, Russian, Polish language, and Trinity Electives. In first and second years students typically have two lectures and one tutorial per week for each module.

## Third year

The choice of modules available in third year typically includes sociology modules such as: Globalisation and Development, Researching Society, Race, Ethnicity and Identity, Social Stratification and Inequalities, Comparative Sociology of Europe. Social policy modules include Social policy modules include Life Course and Evolving Welfare States, Families in Policy and Society, Human Service Organisations, and Youth and Society. Students may also select modules from Economics and Political Science such as: Economics of Less Developed Countries, Economics of Policy Issues, Irish Politics, Democracy and Development, Public Interest Law, and International Law.

## Fourth year

The choice of modules available in fourth year typically includes: Poverty, Inequality and Redistribution; Ageing Societies; Disability and Global Human Rights; Conflict Studies; Social Networks and Digital Lives; Labour Markets, Gender and Institutions and Migration, Mobilities and Integration. Many of the modules in third and fourth year address social contexts and policy at national Ireland, European and global levels. In the final year you will research and write a Capstone project on a topic of your choice under one-to-one supervision from a member of our Schools.

## Study abroad

Students have the opportunity to study abroad in their third year at prestigious universities in countries such as Sweden, France, Malta, Finland and the Czech Republic.

## WHAT OUR GRADUATES SAY

### Julianne Flynn

Sociology and Social Policy is the ideal course for someone who is passionate about social issues and curious to learn. Its unique blend of theory and policy gave me a greater awareness and understanding of a range of contemporary issues, from poverty inequality to conflict resolution. From a social perspective, the small class size makes the transition from school less daunting and provides great opportunity to study with like-minded people. I was also given the unforgettable opportunity to study for a year at University of Melbourne.



## Get in touch!

[www.tcd.ie/swsp/undergraduate/sociology-socialpolicy/](http://www.tcd.ie/swsp/undergraduate/sociology-socialpolicy/) | [E socpol@tcd.ie](mailto:socpol@tcd.ie) | [T +353 1 896 2001](tel:+35318962001)



# Trinity College Dublin and Columbia University Dual BA Programme

Two BA Honors Bachelor Degrees (NFQ Level 8)

Degrees awarded by Trinity College Dublin, The University of Dublin and Columbia University

## Course Codes

**TR060:** Biological and Biomedical Sciences (Neuroscience)\*

**TR021:** Classics, Ancient History and Archaeology

**TR023:** English Studies

**TR024:** European Studies

**TR042:** Film

**TR062:** Geography and Geoscience (Geoscience)\*

**TR003:** History

**TR043:** History of Art and Architecture

**TR040:** Middle Eastern and European Languages and Cultures

\* Subject to final approval by University Council September/October 2019.

## What is the Dual BA Programme?

The Dual BA Programme between Trinity College Dublin and Columbia University offers students a unique opportunity to spend the first two years at Trinity and years three and four at Columbia University, New York.

## The Dual BA: The course for you?

Students on the Dual degree programme graduate with two BA degrees, one from Trinity and one from Columbia. After the first two years in Trinity, students then spend a further two years at Columbia, where students fulfil the requirements for one of the approved majors while also completing Columbia's core curriculum. Students also undertake additional study to meet the requirements of the Trinity BA. All Dual BA students will complete a Capstone project.

## Your degree and what you'll study

### Biological and Biomedical Sciences (Neuroscience)\*

During the first two years at Trinity you will take specific courses in neuroscience and psychology as well as study core concepts fundamental to all biological systems. Basic biological sciences covered include cell biology, genetics and evolutionary biology, molecular biology, biochemistry, metabolism, microbiology, physiology, neurobiology, ecosystems and environmental biology. Students acquire mathematical, statistical and computational skills relevant to the analysis of biological systems. Students also expand their knowledge in social sciences, history and philosophy of science, and in foreign languages. In third and fourth year students undertake further study in neuroscience and psychology.

### Classics, Ancient History, and Archaeology

During the first year at Trinity you are introduced to the study of Greek and Roman literature, history, art and architecture through broad-based survey and skills modules, and undertake modules in Greek and/or Latin at the appropriate level. You then choose from a range of more specialised historical, archaeological and literary/cultural modules. Flexible pathways enable students to pursue a particular interest in: literary, linguistic and historical aspects of Greek and Latin classical authors; the material culture, history and archaeology of the ancient world; or Greek and Roman literature, social history and culture. At Columbia students can declare one of four majors: Classics; Archaeology; Ancient Studies; Classical Studies. In addition, students can undertake archaeological fieldwork, an internship or a language summer school during the summer between the second and third years.

### English Studies

During the first and second years at Trinity, students take all English Studies core modules and open/elective modules as required. In years three and four at Columbia, students continue to follow a major in English. Students continue to develop their skills and deepen their engagement with the core discipline, while also undertaking a number of classes across various humanities subjects. Students undertake a research project related to Trinity's exceptional archival collections, complete an intensive seminar delivered by a Trinity staff member who is an expert in that topic, and sit a paper which will assess their ability to critically engage with concepts and methodologies encountered during their studies.





### European Studies

Two languages are studied in first and second year alongside modules in the social sciences, in modern European history, and in the History of Ideas. Students choose from French, German, Italian, Polish, Russian and Spanish. Italian, Polish, Russian and Spanish are available from beginner level; no student may study more than one language as a beginner. At Columbia, students choose one of seven majors in which to focus their studies. The options are History; Political Science; Hispanic Studies; French; German Literature and Cultural History; Italian; or Slavic Studies. Students undertake a period of study abroad in Europe, an internship and a research project.

### Film

In their first two years, students take a number of foundational modules in film history and theory. These include the history of Hollywood, trends in European cinema, trends in Non-Western cinema, and issues in contemporary Irish cinema. Students will be introduced to film theory and learn to express themselves in the language of the discipline. They take modules in screenwriting and film production, in editing, and in documentary making. Students are encouraged to engage creatively with the course and express themselves through podcasts, blogs, class debates and digital portfolios in addition to conventional essays. In their final years at Columbia, students develop their knowledge of film through more advanced study.

### Geography and Geoscience (Geoscience)\*

In the first two years at Trinity you will acquire a broad grounding in geography and geoscience with an emphasis on physical geography, geology and human-environment interactions. You will learn about topical issues such as climate change, natural hazards (e.g. volcanoes, earthquakes, landslides), energy, sustainability

and natural resources. These foundation years cover a diverse range of material including: the origins and development of our planet; earth structure and composition; circulation in the atmosphere and oceans; the evolution of life on Earth; Earth surface processes and environments (e.g. glaciers, rivers and deserts). You also undertake a field course and expand your knowledge in social sciences and a language.

### History

In the first and second years at Trinity, students are introduced to advanced historical study through modules which focus on periods ranging from the medieval to the contemporary. History is studied alongside other disciplines, including the social sciences and languages. Columbia's comprehensive History curriculum in years three and four complements students' time in Dublin, covering most areas of the world and most periods of history.

Students undertake a Capstone research project related to Trinity's exceptional archival collections, complete an intensive seminar, and sit a paper which will assess their ability to critically engage with concepts and methodologies encountered during their studies.

### History of Art and Architecture

During the first two years at Trinity students are introduced to a broad range of artworks and buildings from Ancient Greece to the present day, and the critical and methodological frameworks of the discipline. Other disciplines, including languages and social sciences, are studied alongside history of art and architecture. Students choose one of three majors in years three and four at Columbia: art history; history and theory of architecture; art history and visual arts, and have the opportunity to take modules that cover global art across most periods of history. Students also undertake summer schools and internships.

### Middle Eastern and European Languages and Cultures

In first year, students study one European language and its history and culture (from French, Spanish, German, Italian, Russian, or Polish) and in second year they begin their study of one Middle Eastern language (Arabic, Hebrew, or Turkish). At Trinity students focus on the history and culture of the Middle East from antiquity to the present and at Columbia, there is a choice of four majors: history; religion; political science<sup>1</sup>; or Middle Eastern, South Asian, and African studies. Students also undertake a summer language programme and complete an internship.

<sup>1</sup> Subject to final approval by Columbia University

### Application Process and Requirements

Applicants to the Dual BA Programme must apply by 2nd January 2020 for September 2020 entry. The admissions process includes a review of the applicant's academic history, letters of recommendation, standardised test scores (SAT or ACT), two essays, and an interview conducted in English. Applications are reviewed by a joint committee with representatives from both Trinity and Columbia. EU applicants to the Dual BA Programme must also apply to Trinity College Dublin through the Central Applications Office (CAO) [www.cao.ie](http://www.cao.ie)



## Get in touch!

Further information and contact details:

[www.ahss.tcd.ie/columbia](http://www.ahss.tcd.ie/columbia) | [E columbiadualba@tcd.ie](mailto:columbiadualba@tcd.ie) | [T +353 1 896 1403](tel:+35318961403)



# Computer Science, Engineering, Science and Mathematics

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## Computer Science

- 128 Computer Science
- 130 Computer Science and Business
- 132 Computer Science and Language
- 134 Management Science and Information Systems Studies (M.S.I.S.S.)

## Engineering

- 136 Engineering (common entry), with specialisations in:
  - 140 Biomedical Engineering
  - 141 Civil, Structural and Environmental Engineering
  - 142 Electronic and Computer Engineering
  - 143 Mechanical and Manufacturing Engineering
  - 144 Engineering with Management

## Science and Mathematics

- 146 Science
- 148 Biological and Biomedical Sciences with specialisations in:
  - 150 Biochemistry
  - 152 Botany
  - 154 Environmental Sciences
  - 156 Genetics
  - 158 Human Genetics
  - 160 Immunology
  - 162 Microbiology
  - 164 Molecular Medicine
  - 166 Neuroscience
  - 168 Physiology
  - 170 Zoology
- 172 Chemical Sciences with specialisations in:
  - 174 Chemistry
  - 176 Chemistry with Biosciences
  - 178 Chemistry with Molecular Modelling
  - 180 Medicinal Chemistry
  - 182 Nanoscience
- 184 Geography and Geoscience with specialisations in:
  - 186 Geography
  - 188 Geoscience
- 190 Physical Sciences with specialisations in:
  - 192 Physics
  - 194 Physics and Astrophysics
  - 196 Nanoscience
- 198 Mathematics
- 200 Theoretical Physics

# Computer Science

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

**Optional: M.C.S. Master's Degree (NFQ Level 9)**

Course Code	CAO Points 2018	Places 2019	Duration
TR033	444	100	4 years (5 years with a master's)



## What is Computer Science?

Computer Science is concerned with the study of everything to do with computers and our relationship with them. Computer scientists are critical to the efficient running of modern societies, dealing with health, security, banking and finance, transportation, and now increasingly our interaction through social networks. Computing professionals deal with theoretical issues, solve complex problems, deal with matters of ethics and with society at large. Theoretical issues in computer science relate to the abstract notions of computation and information.

The study of these issues leads, for example, to efficient and robust algorithms and to new programming languages. Applications of computer science range from artificial intelligence to health informatics, from computer animation and graphics to information security, and from social network sites to educational and training systems.

## Computer Science: The course for you?

Computer Science at Trinity is a challenging and exciting course with a focus on innovation and cutting-edge technology that demands the very best from our students. To get the best from the course you need to be interested in developing clear logical ideas about situations and about how to develop feasible schemes ('algorithms') for computers to deal with these situations. You need to be comfortable using mathematical techniques to solve problems. If you are knowledgeable about computers already, to the extent of building them or writing programmes for them, so much the better – but bear in mind, no prior knowledge of computer science is assumed.

## Computer Science at Trinity

Computer Science at Trinity is ranked number 1 in Ireland, top 25 in Europe and top 100 worldwide (QS subject rankings, 2019).

Computer science at Trinity is an integrated programme: students can study for an honors degree over four years, and also have the option to study for a fifth year leading to a master's degree in Computer Science (M.C.S.).

The School of Computer Science and Statistics at Trinity is recognised for establishing computer science as an academic discipline in Ireland. The School has earned a strong international reputation and has partnerships in education, research and industry across the globe. The School hosts three National Research Centres and continues to evolve and lead ground breaking research programmes.

The School collaborates with leading employers and fosters innovation through its many successful start-up companies – including Iona Technologies, Havok, Kore, Swrve, Quaternion Labs, LinguaBox, WiFi Guard, CipherApps, Haunted Planet Studios, Haptica, GLANTA, Tolerant Networks, Cara Health, X Communications Ltd, EmpowerTheUser, Insight Statistical Consulting, Xcelerit, Wripl and Emizar, SoapBox Labs, Good Travel Software, SilverCloud, Danalto, Volgrams and Data Chemist.

**This course is accredited by Engineers Ireland.**

## Graduate skills and career opportunities

Graduates from this programme are highly sought after and can expect to find employment anywhere in the world. Each year leading employers in the sector attend a special recruitment fair held at the School of Computer Science and Statistics which affords students an opportunity to chat informally regarding their career opportunities. Graduates find employment in almost every sector from communications and entertainment to manufacturing and transportation, government, healthcare, education and many more. Positions can be found within: design, testing, manufacturing, support and implementation, information systems,





## Special Entry Requirements

Leaving Certificate	H4	Mathematics
Advanced GCE (A Level)	Grade C	Mathematics



research and development, operations and management. Many graduates hold senior positions such as CTO and CIO. Others pursue careers in research to Ph.D. and beyond. The School is proud of the entrepreneurial and academic success of its graduates.

## Your degree and what you'll study

### First, second and third years

In the first three years of the programme, you will develop key skills in designing and implementing computer programmes and systems, solving problems, using mathematics, statistics and data analytics and communicating both orally and in writing. You will learn how to use a range of programming languages and how to tackle large software engineering projects. You will also learn about computer hardware and develop a broad knowledge of other topics, including networks and telecommunications, information management and the relationship between computers and society.

Students will take two Trinity Electives in the second year, one in the first semester and one in the second semester. At the end of third year, you choose to study either for the honors degree (B.A. Moderatorship in Computer Science) or the master's degree in Computer Science (M.C.S.).

### Fourth year

If you decide to study for the honors degree in Computer Science over four years, you can choose from a range of advanced subjects to study including: Artificial Intelligence; Computer Graphics and Animation; Computer Vision; Internet Applications; Advanced Computer Networks; and many others. Topics are reviewed annually to reflect developments in the field of computing.

You will spend the second half of this fourth year working with an academic supervisor on a substantial Capstone project in an area of your choice.

If you decide to study for the master's degree in Computer Science over five years, you also choose from the range of advanced subjects listed above.

### Internship

Fourth-year students who opt for the master's degree undertake an internship in industry or in a research laboratory at home or abroad. The aim is to develop your understanding of how design and theoretical aspects of computer science are applied in a commercial or research workplace.

Companies participating in our internship programme include: Cisco, DemonWare, Microsoft, MasterCard, Murex, Susquehanna International Group (SIG), Accenture, Google, First Derivatives, Havok, Bloomberg, Bank of America Merrill Lynch, Glanta Ltd., SAP, Amazon, AOL, Incognito, Swrve, ALTV, Citi, EATON, Edgescan, Effective Software, Enernoc, Ezetop, FieldAware, Hosted Graphite, Hubspot, Intel-Movidus, KDEG/CNGL TCD, LexisNexis, Popdeem, Popple, PricewaterhouseCoopers pwc, Purpledecks, Qualtrics, Revenue, Shutterstock, SQA Consulting, Ticket Chain, Toast, Touchtec Payments, Travelport Digital, Ultan Technologies, Visible Thread, Workday.

### Fifth year

In your fifth and final year, as well as continuing to study advanced subjects, you will spend the second half of the year working with an academic supervisor on a substantial research dissertation in an area of your choice.

On successful completion of the five years, both a B.A. Moderatorship and master's degree in Computer Science are awarded.

### Study abroad

You may apply to spend your third year studying at a university abroad as part of an exchange programme.

### Other courses you might enjoy

TR032: Computer Engineering, page 142

TR032: Electronic and Computer Engineering, page 134

TR034: M.S.I.S.S., page 132

TR039: Computer Science and Language, page 130

### WHAT OUR GRADUATES SAY

#### Katharine Burton

What I really enjoyed about the course was the exposure to software, hardware and telecommunications which gives you the entire view of a system rather than the separate components. I found the lecturers to be knowledgeable and approachable. Being a male dominated science, I think we need more girls to think seriously about studying computer science at university. During my summers at Trinity, I undertook a number of internships both in Ireland and abroad. One of these internships resulted in a full-time graduate job offer in London.



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# Computer Science and Business

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR082	509	30	4 years



## What is Computer Science and Business?

Computer Science is the professional discipline concerned with the study of everything to do with computers and our relationship with them. Computer scientists are critical to the efficient running of modern societies, dealing with health, security, banking and finance, transportation, and now increasingly our interaction through social networks. The computer science subjects will build upon your problem solving, logical and mathematical skills and challenge you to develop a deep understanding of the science of computers.

The business subjects will build on your knowledge of businesses and your understanding of the role of business in society. Computer Science and the networked environment are core issues at the forefront of development in many fields of business, and the combination of computer science and business management is designed to produce graduates who not only understand the latest computer science applications but also have general business management skills, including marketing, organisational behaviour, human resources and finance. Government and industry have identified a need for more graduates with Computer Science and Business skills.

## Computer Science and Business: The course for you?

This joint degree programme aims to provide graduates with the knowledge and expertise needed to work in the technical field of Computer Science along with the business management skills required to understand the fundamentals of markets, organisations and business management. The course prepares students for challenging careers in computer science and/or business, as well as positioning them for postgraduate study and research in either of these fields.

## Computer Science and Business at Trinity

Computer Science at Trinity is ranked number 1 in Ireland, top 25 in Europe and top 100 worldwide (QS subject rankings, 2019). Over a period of more than 50 years, the School of Computer Science and Statistics has earned a strong international reputation and has partnerships in education, research and industry across the globe.

### Pathways

The pathways available are Major with Minor and Joint Honors. See page 25 for further information.

## Graduate skills and career opportunities

To date, graduates have secured employment in a variety of roles and areas which include: financial engineers, software developers, account managers, information technology risk assessment, analytics, technology consulting, marketing research, entrepreneurs. Organisations where graduates are employed include: First Derivatives, Ernst & Young, Accenture, LinkedIn, MRBI, PwC, and Google. Some students have also pursued master's studies in both business and computer science disciplines.

## Your degree and what you'll study

### First year

In first year, students study introductory topics in Business and Computer Science. Students typically take business topics from subject areas such as: Management & Organisation, Economics Policy and Statistical Analysis. In Computer Science, students take topics from subject areas which include: Mathematics, Programming and an Introduction to Computer Systems.

### Second year

In the second year, students choose to specialise in Computer Science or Business with an opportunity to study either subject in greater depth. For example, the study of Computer Science continues with the subjects such as: Algorithms and Data Structures, Information Management and Software Engineering. Business subjects studied include: Marketing, Accounting, Finance, Operations Management, Creative Thinking, Innovation and Entrepreneurial Action.



## Special Entry Requirements

Leaving Certificate	H4/O2	Mathematics
Advanced GCE (A Level)	Grade C	Mathematics
OR		
GCSE	Grade A	Mathematics



### Third year

In third year, students take a combination of topic areas from both Computer Science and Business which can include:

#### Business

Human Resource Management, Contemporary Marketing Management, Consumer Marketing, Financial Accounting, Management Accounting for Business Decisions, Business in Society, Innovation, Introduction to Fixed Income Securities and Alternative Investments, Entrepreneurship and Business Modelling, Corporate Finance and Equity Valuation, Services Management, Digital Technology in Operations, Organisation Theory and Organisational Analysis, Investments, Social Entrepreneurship.

#### Computer Science

Statistics, Symbolic Programming, Software Engineering, Information Management, Artificial Intelligence, Computer Networks, Compiler Design, Functional Programming, Computational Mathematics.

### Fourth year

In the fourth year, students study a range of topics from both Computer Science and Business which can include:

#### Business

International Business & the Global Economy, Exploring Organisational Experiences, Financial Reporting and Analysis, Derivatives and International Finance, Advances in Marketing Theory and Practice, Managing New Product Development, Economic Policy and Business History, Social Innovation and Social Impact.

### Computer Science

Advanced Computer Networks, Fuzzy Logic, Formal Verification, Functional Programming, Internet Applications; Human Factors; Computer Graphics, Computer Vision; Artificial Intelligence, Machine Learning, Strategic Information Systems.

#### Assessment

Courses are examined by a combination of continuous assessment and formal examination.

### Other courses you might enjoy

TR033: Computer Science, page 128

TR034: M.S.I.S.S., page 134

TR080: Global Business, page 28

TR039: Computer Science and Language, page 132

TR081: B.E.S.S., page 30

Business Studies and a Language, page 34

### WHAT OUR STUDENTS SAY

#### Sinead McAleer

Computer Science and Business is a powerful combination in today's world, where no business can compete without digitalisation. As a student, you are exposed to a great variety of disciplines, modules and learning opportunities that open up an array of careers paths. During this degree, I have had the opportunity to study software engineering, artificial intelligence, project management, accountancy, finance, organisational behaviour and more. In the final two years of Computer Science and Business, students are given a significant amount of choice when selecting their modules, allowing you to specialise in your area of interest. This degree is perfect for students with an entrepreneurial mindset, as it gives you a powerful toolkit to launch your own business. It also has seen students pursue careers in programming, project management, consulting, entrepreneurship, investment banking, teaching – to name but a few. Ultimately, a degree like Computer Science and Business allows students to develop their logic and reasoning skills, while learning how to best implement these in the working world. Computer science and business was a great choice for me and I cannot recommend it enough!



**Get in touch!**

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# Computer Science and Language

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR039	350	20	4 years



## What is Computer Science and Language?

The Computer Science and Language (CSL) degree combines computer science with the mastery of a particular language (French, German or Irish) and with the study of linguistics, which is the scientific study of language in general and the associated technologies concerning language. The chosen language (French, German or Irish) is studied to degree level, with emphasis on aural, oral and written fluency.

This course develops a unique combination of skills – technical, mathematical, analytical and communicative. In doing so, it provides two of the most sought after skills today: a degree-level fluency in a second language and a degree in computing, opening up hosts of future career possibilities. Many of these careers also involve the third degree level strand of the course – linguistics.

Predictive text in telephones, automatic speech recognition in directory enquiries, and machine translation are just three examples of technologies that derive from computational linguistics; Countless others are on the horizon.

## Computer Science and Language: The course for you?

This course will appeal to students with strengths in analytical reasoning and an affinity for mastering languages, but who do not want to choose between arts and sciences. While the course involves the study of mathematics and computing, linguistics and language, students are afforded considerable flexibility in their course options. If you enjoy mathematics, languages and problem solving and are interested in combining topics in creative and insightful ways, then this may be the right course for you.

## Computer Science and Language at Trinity

This degree is one of the most interdisciplinary on offer, bridging both computer science and the arts. The skills acquired in the study of computing, together with the study of language and linguistics, open doors to world mobility and employability.

Computer Science at Trinity is ranked number 1 in Ireland, top 25 in Europe and top 100 worldwide (QS subject rankings, 2019). Over a period of more than 50 years, the School of Computer Science and Statistics has earned a strong international reputation and has partnerships in education, research and industry across the globe.

## Graduate skills and career opportunities

Since the course began in 1985, graduates have moved on to careers that reflect the range of topics within the degree. Graduates will be qualified to work as language specialists, information technologists or software specialists in any of the IT, banking, translation, publishing or multimedia sectors. A number work as software engineers in international consulting firms. Some have embarked on careers in professional translation; Others have moved into primary and secondary-level education. About 65% of graduates work in software engineering (whether in a mainly English speaking country or in a country where the language of the degree focus is the primary language); About 25% pursue research careers. A number of graduates now hold academic staff positions in Ireland and abroad. Another 10% tend towards a focus in technical translation. Some graduates have taken up employment in government service, e.g. the European Patent Office and the Irish Diplomatic Corps.

## Your degree and what you'll study

In the first two years, you will study computer science, linguistics and your chosen language. The final year offers students the opportunity to explore in greater depth areas where computers and language meet or in the classical core of the constituent disciplines: computer science, linguistics and a language. Students complete increasingly complex projects in each year of the programme.



## WHAT OUR GRADUATES SAY

### James Gibbons

This course provides an exceptional range of skills that allow you to pursue a vast number of options after graduation. For me, it gave a fantastic background to pursue a career in software development. The distinctive combination of subjects encourages flexible thinking and an open-minded approach to problem solving that will prove invaluable to graduates.



## Special Entry Requirements

Leaving Certificate	H4	Mathematics
	H3	In French or German or Irish
Advanced GCE (A Level)	Grade C	Mathematics
	Grade C	If presenting French or German
	Grade B	If presenting Irish

Students choose one language from French, German and Irish.

Students must present one of the above grades in their chosen language.



## Subject areas include

	First year	Second year
Computer Science	<ul style="list-style-type: none"> <li>➤ Mathematics</li> <li>➤ Introduction to Programming</li> <li>➤ Representations and Computation</li> </ul>	<ul style="list-style-type: none"> <li>➤ Discrete and Continuous Mathematics</li> <li>➤ Data Structures and Programming Techniques</li> <li>➤ Natural Language Processing</li> </ul>
Linguistics	<ul style="list-style-type: none"> <li>➤ Introduction to the Study of Language (General Linguistics)</li> <li>➤ Introduction to Phonetics and Phonology</li> <li>➤ Introduction to Syntax</li> </ul>	<ul style="list-style-type: none"> <li>➤ Syntactic Theory</li> <li>➤ Introduction to Speech Science</li> <li>➤ Formal Semantics</li> <li>➤ Instrumental Phonetics</li> <li>➤ Computational Morphology</li> <li>➤ Statistics for Linguistics</li> </ul>
Language	<ul style="list-style-type: none"> <li>➤ Written, oral and aural language fluency</li> <li>➤ Area Studies</li> </ul>	<ul style="list-style-type: none"> <li>➤ Written, oral and aural language fluency</li> </ul>

## Third and fourth years

Subjects that you study in the first two years of your degree will be continued in your third and fourth years either at Trinity or abroad under the Erasmus programme. In the fourth year, you will be able to take advanced modules in interdisciplinary areas such as artificial intelligence, information systems, computer processing of human language and the analysis and synthesis of the human voice. You also proceed to advanced study in your chosen language, perfecting both your oral skills and written skills in translation and essay writing.

Optional modules and a major interdisciplinary Capstone project allow you to specialise in areas you particularly enjoy and to shape the degree around your individual strengths. Examples of final-year module options include Computer Graphics, Machine Vision, Advanced Computational Linguistics (involving Speech Recognition and Machine Translation), Fuzzy Logic, and Human Second-Language Acquisition.

## Assessment

Written examinations, course work and projects are all used in assessment. You will also complete a final-year dissertation as part of the degree.

### WHAT OUR STUDENTS SAY

#### Eleanor Rutherford

Studying Computer Science and German has been such an interesting and rewarding experience - in this degree, you not only become proficient in areas like computer programming and maths, you also gain an understanding of linguistics and a fluency in a second language; for me, that second language has been German. The German department at Trinity is excellent; the small class sizes ensure that the lecturers get to know every student individually and can cater to all students' needs accordingly. I've so enjoyed my time in Trinity and the very positive experience I've had studying German has majorly contributed to that!



## Study abroad

Students who study French or German will spend the third year studying at a university abroad and for students studying Irish, it is a possibility. Studying abroad gives students the opportunity to develop language skills and experience university life in another country. It also provides options for students to define their own specialist areas within the programme.

### Other courses you might enjoy

TR032: Engineering (Common Entry), page 136

TR032: Electronic and Computer Engineering, page 142

TR033: Computer Science, page 128

TR034: M.S.I.S.S., page 134

TR082: Computer Science and Business, page 130



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# Management Science and Information Systems Studies (M.S.I.S.S.)

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR034	567	27	4 years

## What is Management Science and Information Systems Studies (M.S.I.S.S.)?

Students learn how to use techniques from disciplines such as business, mathematics, computer science, statistics and management science to solve real world problems. There is also a firm emphasis on interpersonal skills such as verbal communication, interviewing, teamwork and report writing.

The primary objective of the M.S.I.S.S. programme is to produce graduates who are both business and computer literate and who have a solid understanding of how to approach and solve practical problems using a variety of tools and techniques. The emphasis in M.S.I.S.S. is on building up analytical skills, flexibility and creative thinking.

One of the remarkable features of M.S.I.S.S. is the range of careers that graduates take up. The M.S.I.S.S. programme provides students with a unique blend of skills and experience. It is this mix which makes M.S.I.S.S. unique amongst other third-level courses in Ireland and helps contribute significantly to the success M.S.I.S.S. graduates have in getting jobs.

## M.S.I.S.S.: The course for you?

This course is ideally suited to students who like solving complex problems and are interested in both technology and business and are naturally comfortable with mathematics. The range of subjects studied is wide and will challenge your abilities on several fronts, leading to graduates who have the ability to think about issues in both technical and business terms. M.S.I.S.S. is a good way of keeping your options open.

## M.S.I.S.S. at Trinity

M.S.I.S.S. has its home in the School of Computer Science and Statistics which is ranked number 1 in Ireland, top 25 in Europe and top 100 worldwide (QS subject rankings, 2019). M.S.I.S.S. produces graduates who are analytical, flexible and creative. These are highly demanded skills that are applicable across a range of careers. M.S.I.S.S. is highly regarded by employers and has one of the best graduate employment records of any undergraduate course in Ireland.

In M.S.I.S.S. the theory of subjects is covered but consideration is given to building practical skills. The teaching methods include formal lectures, laboratories, role-playing, real-life projects, many with an emphasis on group work.

## Graduate skills and career opportunities

M.S.I.S.S. has one of the best graduate employment records of any undergraduate course in Ireland. One feature of M.S.I.S.S. is that it provides a base for following a remarkably wide range of careers within management consultancy, the financial services and the actuarial and accounting professions. Many graduates also work in information technology management, quality control, and marketing, while others pursue postgraduate study at home and abroad.

Demand for M.S.I.S.S. graduates has always been steady as the wide ranging skill sets developed in the course of study together with the problem-solving and team-working skills are highly sought after by employers. A high level of numeracy and fluency in the use of modern technology are a further attraction for employers.

Employers include large financial institutions, management consultants and other businesses both nationally and internationally; for example Deloitte, Ernst and Young, Accenture, McKinsey, KPMG, PwC, BearingPoint, PA Consulting, FTI Consulting, Bank of America Merrill Lynch, CitiBank, CreditSuisse, Barclays, Deutsche Bank, JP Morgan, HSBC, RBS, Bank of Ireland, Ulster Bank, AIB, Irish Life, Aviva, Mercer, Paddy Power, First Derivatives, Boylesports, KerryGroup, Betfair, Google, Colgate, Palmolive, Proctor and Gamble, United Drug.

## Your degree and what you'll study

M.S.I.S.S. is made up of four strands.

- The first is based around developing skills in quantitative techniques, such as mathematics, statistics, probability, data analytics, forecasting and management science.

### Do you...

Have an interest in technology?

Have you a passion for business?

Have a solid mathematical ability and like solving problems?



## Special Entry Requirements

Leaving Certificate	H4	Mathematics
Advanced GCE (A Level)	Grade C	Mathematics



- The second strand focuses on information technology and systems and ranges from basic end user tools, like spreadsheets, through programming, system design and development and databases, up to state of the art topics/techniques in areas such as strategic information systems.
- The third strand is business-based and covers important concepts in management, finance and operations management.
- The fourth strand seeks to develop a range of personal skills including teamwork, making presentations, interviewing, report writing and researching.

The four strands in M.S.I.S.S. are organised as three main subject areas, supported by the interpersonal skills framework. The three subject areas are: Business and Management; Quantitative Analysis and Information Systems. Interpersonal skills such as interviewing and making presentations are taught explicitly and implicitly (i.e. built into the teaching of other subjects). Third and fourth year provide the opportunity to specialise in an area of your choice.

### Topics

Subjects studied under the various topics include:

Business and Management: Introduction to Management and Organisation; Finance and Accounting; Operations Management; Economics

Quantitative Analysis: Forecasting; Management Science (Operations Research); Data Analytics; Market Research; Mathematics; Probability; Statistics

Information Systems: Information Systems and Technology; Programming (Java, Visual Basic, SQL and PHP); Strategic Information Systems; End User Computing;

Personal Skills: Making Presentations; Interviewing; Report Writing; Research Methods; Team-Working; Consulting

### First and second years

During first and second year, you will get a solid introduction to a number of fields. Subjects you will study include:

- Computer Programming
- Economics
- Management Science
- End-User Computing
- Mathematics
- Organisation and Management
- Statistics
- Finance and Accounting

### Third and fourth years

The third and fourth years allow you to focus on areas that are of particular interest to you. In each year there are a number of core courses (five in third year and three in fourth year) and a range of optional modules from which students select options in each of the final two years.

An integral component of the final year is a Capstone project which takes the form of a consultancy project for a real world client. In recent years, projects have been undertaken for clients such as Google Ireland, Irish Life, L&P Group, PwC, Deloitte, Electric Ireland, AIB, Bank of Ireland, McDonalds, Teagasc, HIQA, Betfair and Boyle Sports.

The choice of optional modules spans business studies, economics, computer science, statistics, mathematics and engineering. The courses currently offered include financial and management accounting, economics, human resources management, technology entrepreneurship,

mathematics, investment analysis, corporate financial reporting, statistical modelling and project management.

### Assessment

You will be assessed by a combination of assignments and end-of-year examination. A report on the final-year project is an important part of the assessment.

### Other courses you might enjoy

TR033: Computer Science, page 128

TR082: Computer Science and Business, page 130

### WHAT OUR GRADUATES SAY

**Laura Headon**  
Deloitte

M.S.I.S.S. students complete real world type projects and learn practical skills which are valued by employers. The course has an excellent reputation, which leads to exciting and varied employment opportunities. Every day on the job I use skills honed and developed through my study of M.S.I.S.S., which include information technology skills together with other skills such as report writing and problem solving, key to building a successful career. M.S.I.S.S. is a dynamic course, which will appeal to students with an interest in modern business issues such as big data, data analytics and information technology.



**Get in touch!**

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# Engineering (Common Entry Programme)

**B.A. Ordinary Bachelor Degree (NFQ Level 7), M.A.I. Master's Degree (NFQ Level 9)**

**Optional (exit after fourth year):**

**B.A. Ordinary Bachelor Degree (NFQ Level 7), B.A.I. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR032	487	185	4 years (5 years with a master's)

## What is Engineering?

Engineering is about being creative in technical problem solving. Engineers make things possible by using mathematical and scientific principles together with analytical and design skills. They tackle existing problems by developing new solutions through innovative technologies.

They also expand the frontiers of society by developing advanced materials, sustainable energy systems, construction technologies, transport systems, biomedical devices and telecommunications infrastructure.

## Engineering: The course for you?

We have been teaching Engineering at Trinity since 1841. There have been immense developments since that time, but the continuity of excellence in teaching and learning is a source of pride for us and our graduates. A distinctive feature of Engineering at Trinity is the two-year common programme, in which all students learn the fundamentals of engineering science and also engage in substantial elements of project work prior to choosing a specific engineering discipline. Trinity is the top-ranked university in Ireland, and our engineering graduates use this to their advantage all over the world as well as in Ireland.

Engineering is a constantly evolving profession. As an engineer, you will need to be adaptable both to the rapid development of new ideas and technology and to the shifting requirements of industry and society. You will need to be a good communicator and be capable of working as part of a team. Above all, you must be a problem solver. You must be creative and able to synthesise and analyse information from different sources to arrive at efficient and practical solutions.

## Engineering at Trinity

The School of Engineering at Trinity is ranked in the top 200 Engineering Schools in the world and offers outstanding teaching by engineers who are at the forefront of their field worldwide. It has a strong philosophy of research-led teaching and continuously benchmarks itself against the top international engineering schools. The engineering course offers the opportunity to carry out research as part of your course with the aim of producing graduates capable of participating at the highest national and international levels. There are opportunities for work placements in Ireland and abroad as well as study abroad opportunities as part of the degree programme. The engineering programme is fully accredited by Engineers Ireland up to master's level (M.A.I.) and offers excellent career prospects in Ireland and abroad.



## Graduate skills and career opportunities

Engineering graduates from Trinity have the capacity to think independently but also to work in teams. They can use technical understanding to problem solve in a wide range of technical areas. They are able to communicate their technical and creative ideas to other professionals and to society at large. They are able to take responsibility, deal with complexity and ambiguity and successfully face open-ended challenges.

## Your degree and what you'll study

The B.A.I./M.A.I. (engineering) degree programme is based on two years of general engineering, providing students with a firm grounding in the principles common to all disciplines, followed by two/three years of specialisation. Graduates are professionally accredited engineers with both a broad-based understanding of the whole discipline and a detailed knowledge of their chosen specialist area. The aim is that graduates will be able to continuously train themselves, to adapt and move into related or newly emerging areas as their careers develop after graduation.



## Do you enjoy...

Technical problem-solving?

Using an understanding of how things work to make them better?

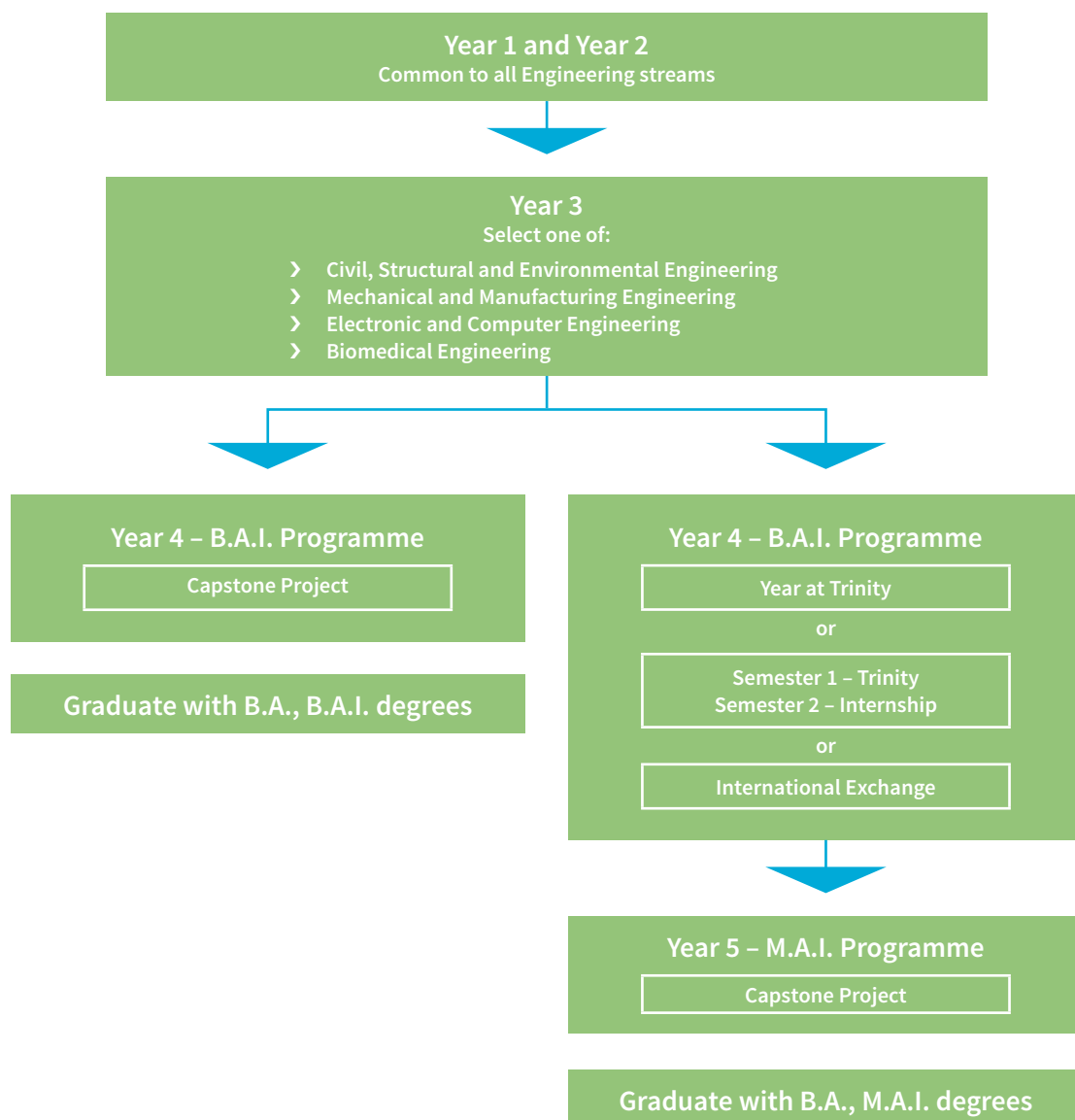
Using technical know-how, teamwork and creativity to develop new inventions?

### Special Entry Requirements

Leaving Certificate	H4	Mathematics
Advanced GCE (A Level)	Grade C	Mathematics



### Engineering Course Structure



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### First and second years

All students follow a common programme for the first two years. The first year comprises introductory courses in engineering science, mathematics, computer science, physics, chemistry, mechanics, electricity and magnetism, graphics and computer-aided engineering, and a group design and build project.

In the second year, students take further engineering science modules, such as solids and structures, thermo-fluids and electronics, and complete two more group design and build projects. This allows you to explore all the possibilities open to you in advance of making your final decision about which specialism to concentrate on. You will also take a Trinity Elective module.

While every effort is made to allow students to study the course they choose, in some departments the number of places for students of any one year may be limited (this has never been necessary so far).

### What happens next?

At the end of second year you choose one of the six specialist areas:

- Biomedical engineering
- Civil, structural and environmental engineering
- Electronic and computer engineering (joint programme)
- Mechanical and manufacturing engineering

### Third and fourth years

Courses in the third and fourth years aim to broaden and deepen your knowledge and understanding of the specialism you have chosen. You will also have the opportunity to take a Trinity Elective module and open modules in other disciplines. Subjects are studied in much greater detail and students undertake real-life, practical projects. For example, if you choose Civil, Structural and

Environmental Engineering you could end up testing the pre-cast concrete used to build the Paddington to Heathrow railway; If you choose Computer Engineering, you might find yourself building a microprocessor system.

### Fifth year options with study abroad and internship opportunities

Engineering students require a master's degree to be directly eligible for Chartered Engineer status with Engineers Ireland. Therefore the School offers several options for a fifth year leading to a master's degree (M.A.I.).

#### ➤ M.A.I. (Domestic)

Students can spend the fourth and fifth year in Trinity, undertaking additional modules in their specialisation and open modules in other disciplines as well as a group project in fourth year and a significant individual Capstone project in fifth year.

Students also have the option of spending the second semester of their fourth year undertaking a supervised internship placement. The remainder of their fourth year and the fifth year are spent in Trinity undertaking additional modules in the specialisation and open modules in other disciplines. Students complete a significant individual Capstone project in 5th year.

#### ➤ M.A.I. (International)

Students have the option to spend their fourth year abroad as part of the Erasmus/ International exchange, CLUSTER or UNITECH programmes. As part of the Erasmus/International exchange or CLUSTER programmes, students spend their fourth year abroad at a partner university and return to complete their fifth year at Trinity. Some of our Erasmus/ International exchange partner universities include Institut National de Sciences Appliquées de Lyon – INSA, Universidad Politécnica de Madrid (UPM), Politecnico di Torino and University of Melbourne.

The CLUSTER programme is a consortium of 12 universities including Technical University of Catalonia, Barcelona; Technische Universität Darmstadt; Technische Universiteit Eindhoven; Institut polytechnique de Grenoble; Instituto Superior Técnico Lisbon; Katholieke Universiteit Leuven/Université Catholique de Louvain; Helsinki University of Technology; Karlsruhe Institute of Technology; École Polytechnique Fédérale de Lausanne; Politecnico di Torino; KTH Royal Institute of Technology Stockholm.

The UNITECH programme is a collaboration of 8 partner Universities and 16 multinational corporate partners. Students will spend one semester of their fourth year in a partner university followed by a six month internship with one of the corporate partners and return to complete their 5th year at Trinity. The partner universities are Chalmers University of Technology, Gothenburg; ETH Zurich; Institut National de Sciences Appliquées de Lyon – INSA; Loughborough University; Politecnico di Milano; RWTH Aachen University; TU Delft, The Netherlands.

### Assessment

Assessment in each of the first two years is mostly by means of written examination combined with continuous assessment of coursework during the year. Typically, examinations contribute at least 50% towards your grade in each subject. The design projects are assessed entirely by continuous assessment.

### Other courses you might enjoy

TR038: Engineering with Management, page 144





#### WHAT OUR CURRENT STUDENTS SAY

##### Charlotte Weever

Now in my fifth year of Mechanical and Manufacturing Engineering I have suddenly found a wonderful balance between my studies and extracurricular activities, joining societies and becoming a class rep with the Student Union. Engineering is a broad and creative degree that you will thrive in. Take every opportunity you can!



## Engineering at a glance

All students follow common first and second years. At the end of the second year you will select one of six specialist streams as outlined below.

First year	Second year	Third and fourth years and M.A.I. Year
<p>Lectures – 16 hours per week Tutorials – 5 hours per week Laboratory work – 6 hours per week</p> <p>First year modules</p> <ul style="list-style-type: none"> <li>› Engineering Mathematics I and II</li> <li>› Computer Engineering I</li> <li>› Physics</li> <li>› Chemistry</li> <li>› Electrical Engineering</li> <li>› Mechanics</li> <li>› Introduction to Professional Engineering</li> <li>› Engineering Design I: Graphics and Computer-Aided Engineering</li> <li>› Engineering Design II: Project</li> <li>› Experimental Methods</li> </ul>	<p>Lectures – 16 hours per week Tutorials – 5 hours per week Laboratory work – 4 hours per week</p> <p>Second year modules</p> <ul style="list-style-type: none"> <li>› Engineering Mathematics III and IV</li> <li>› Numerical Methods</li> <li>› Computer Engineering II</li> <li>› Solids and Structures</li> <li>› Thermo-Fluids</li> <li>› Electronics</li> <li>› Engineering and the Environment</li> <li>› Engineering Design III: Project</li> <li>› Engineering Design IV: Project</li> <li>› Trinity Elective module</li> </ul>	<p>For contact hours, please see the individual stream pages (see below).</p> <p>Common third and fourth year modules</p> <ul style="list-style-type: none"> <li>› Engineering Mathematics V</li> <li>› Management for Engineers</li> <li>› Probability and Statistics</li> </ul> <p>Select one of the four specialisations below:</p> <p>Biomedical Engineering, page 140</p> <p>Civil, Structural and Environmental Engineering, page 141</p> <p>Electronic and Computer Engineering, page 142</p> <p>Mechanical and Manufacturing Engineering, page 143</p>



#### WHAT OUR CURRENT STUDENTS SAY

##### Samuel Ojelabi

Studying engineering at Trinity has been a roller-coaster. I believe its common knowledge that engineering is a very hectic and tough course but nevertheless, the three years I have spent in the university have been fantastic. For my first two years here, I studied general engineering which included all disciplines of engineering. This year I chose to specialise in civil engineering as I enjoyed those modules the most in the two years and I'm loving it even though it isn't easy. In addition to loving my course, the people I've met in the university have contributed to my amazing experience here.



# Biomedical Engineering

Students who wish to study biomedical engineering apply to the engineering degree (TR032).

The first two years are common to all engineering students and at the end of the second year students select biomedical engineering as their specialist area.

See page 136 for details of the first two years.



## What is Biomedical Engineering?

Biomedical engineering is at the intersection of engineering, the life sciences and healthcare. Biomedical engineers take principles from applied science (including mechanical, electrical, chemical and computer engineering) and physical sciences (including physics, chemistry and mathematics) and apply them to biology and medicine. Although the human body is a more complex system than even the most sophisticated machine, many of the same concepts that go into building and programming a machine can be applied to biological structures and diagnostic and therapeutic tools. The goal is to better understand, replace or fix a target system to ultimately improve the quality of healthcare.

Biomedical engineers become involved in research and development, spanning a broad array of subfields: biomechanics, biomaterials, tissue engineering, neural engineering, medical devices, clinical engineering, medical imaging. Prominent biomedical engineering applications include the development of biocompatible prostheses, various diagnostic and therapeutic medical devices ranging from clinical equipment to micro-implants,

advanced imaging methods such as MRIs and EEGs as well as development of regenerative tissue and artificial organs.

Biomedical engineering is a challenging professional discipline, requiring knowledge of biology and medicine, as well as understanding of a range of engineering subjects. It is also a very exciting field in which new methods and products are constantly being developed, using the latest technology in materials, mechanics, electronics, mathematical analytical methods and manufacturing processes.

## Graduate skills and career opportunities

Biomedical engineering is the fastest-growing career and this trend is expected to continue over the next decade. Ireland's medical technology sector has evolved into a global leader for medical device and diagnostic products, with exports annually exceeding €12bn. Ireland has over 450 companies involved in developing, manufacturing and marketing medical devices. These include Abbott, Bayer, Becton Dickinson, Boston Scientific, Johnson & Johnson, Guidant, Medtronic and Stryker. These companies have a strong demand for high quality graduates at the master's and Ph.D. level because of the high technical level of their products.

Biomedical engineers also find employment in clinics and hospitals where they work as clinical engineers, responsible for complex, expensive diagnostic equipment and laboratories.

## Your degree and what you'll study

Course topics include areas of both mechanical and electronic engineering, specialised topics in biomedical engineering and courses in basic medical and biological sciences. Example biomedical courses include:

Biomechanics, Biomaterials, Anatomy and Physiology, Cell and Molecular Biology, Medical Device Design, Tissue Engineering, Neural Engineering.

In the third year you will study technical courses in both mechanical/manufacturing engineering and electronic engineering, along with courses in anatomy and physiology. In the fourth year and (optional) master's (fifth) year you will study a range of technical subjects, including the specialised subject of biomedical engineering (see above).

Project work is an important aspect of this degree and there is an extensive research facility available to students. You will carry out several projects, including a major Capstone research project in your final year. Examples of final-year projects include:

- Design of a branch stent for abdominal aortic aneurysm
- Finite Element Modelling of 3D Printed Scaffolds for Bone Tissue Engineering
- Next Generation Hearing Prostheses: Improved decoding of attentional selection in a cocktail party environment
- Determination of the effect of freezing on the mechanical properties of decellularised arteries
- Head kinematics in contact sports



### WHAT OUR GRADUATES

#### Philip Byrne

Studying Engineering at Trinity was a really great experience for me. The five years I studied in Trinity flew. I graduated with both a bachelor's and master's degree in biomedical engineering and couldn't think of anywhere else I would want to spend the last 5 years with all the friends I made. I'm delighted I now have a great qualification that is recognised and respected worldwide.

## Do you enjoy...

Finding out how living things work?

Analysing problems and formulating solutions?

Working with mathematics and numbers?

## Get in touch!

[www.tcd.ie/bioengineering](http://www.tcd.ie/bioengineering) | [E bioeng@tcd.ie](mailto:bioeng@tcd.ie) | [T +353 1 896 4214](tel:+35318964214)

[www.facebook.com/trinity-centre-for-bioengineering-31838844867265/](https://www.facebook.com/trinity-centre-for-bioengineering-31838844867265/)

# Civil, Structural and Environmental Engineering

Students who wish to study civil, structural and environmental engineering apply to the engineering degree (TR032).

The first two years are common to all engineering students and at the end of the second-year students select civil, structural and environmental engineering as their specialist area.

See page 136 for details of the first two years.



## What is Civil, Structural and Environmental Engineering?

Civil, Structural and Environmental Engineering is a very diverse and broad discipline. It offers graduates the chance to work on projects that improve people's lives. These include the design of better transport systems, looking after the environment, constructing new buildings and bridges and creating the infrastructure on which society depends. Civil engineers are responsible for running many of the world's largest businesses and public agencies. The skills needed to be a good civil engineer are a logical and systematic approach, good problem-solving and creative abilities, backed up by a mathematical and scientific mind. In addition to these skills a civil engineer needs to be imaginative and inquisitive.

## Civil Engineering

Civil engineers are responsible for the planning, design, and operation of our cities and infrastructure. These include user-centred and integrated transport systems and renewable and sustainable energy systems, as well as a myriad of support systems located underground.

### Would you like to...

Create buildings and cities in which millions of people can live happily and securely?

Develop advanced technical skills and use them in a successful career that directly benefits society?

Help build a sustainable future for everyone while protecting our environment?

## Structural Engineering

Structural engineering involves the design and construction of many types of structure, including buildings, bridges, stadiums, and wind turbines. Structural engineers ensure that a building is safe for the area in which it is built and for its intended purpose. It must also be attractive, economical and have a minimum impact on the environment.

## Environmental Engineering

Environmental engineers design the systems that provide us with clean water, manage our waste and deal with pollution in air, land or water. Environmental engineers also optimise our use of energy and natural resources, minimise industrial impacts on people and nature, and ensure that development happens in a sustainable way.

## Graduate skills and career opportunities

Most civil engineering graduates start their careers with engineering consultants working in infrastructure and building design, energy, environmental protection and transport management (e.g. Arup, Atkins, Jacobs) and construction companies (e.g. BAM, Sisk). Civil engineers are also often employed in financial services, management consultancy, law firms and in corporate business. The numerical and problem-solving skills and technical expertise of civil engineers are broad based and make them very attractive employees in many different industries.



## Your degree and what you'll study

In third, fourth and M.A.I. (fifth) years, students are offered modules in Structural and Geotechnical Engineering, Environmental Engineering, Transportation and Sustainable Energy. More information can be found at: [www.tcd.ie/engineering/current-students](http://www.tcd.ie/engineering/current-students)

A significant amount of teaching takes place in the laboratory, and the course involves a lot of project work. In third year, students undertake site visits to civil engineering projects, iconic engineering structures and to areas of environmental interest. This includes a one-week technical visit to an international location. Recent trips have included visits to London and Barcelona.

In the third and fourth year projects, students work in small groups to design a building or piece of major infrastructure. There is also the opportunity to undertake an internship in industry or with a research group or to participate in the Unitech, Cluster or Erasmus exchange programmes.

The optional fifth year allows students to study toward the master's degree qualification at a more advanced level, including an individual Capstone research project and thesis.

### WHAT OUR GRADUATES SAY

#### Sharon Farrell

Working now as a Civil Engineer, the degree and knowledge I gained during my time in Trinity still stands to me today. Having an appreciation of the different areas within engineering is extremely useful when working in the field, which is exactly what this course provides even after you specialise. For me, having this understanding has been extremely beneficial on recent projects, as it allows me to manage large projects as well as continuing with detailed design elements.

## Get in touch!

[www.tcd.ie/civileng](http://www.tcd.ie/civileng) | [E civeng@tcd.ie](mailto:civeng@tcd.ie) | [T +353 1 896 1457](tel:+35318961457)



# Electronic and Computer Engineering

Students who wish to study electronic and computer engineering apply to the Engineering degree (TR032).

The first two years are common to all engineering students and at the end of the second-year students select the joint programme in electronic and computer engineering as their specialist area.

See page 136 for details of the first two years.



## What is Electronic and Computer Engineering?

Organising both hardware (electronic) and software (computer) components into a useful and productive system is the principal job of the electronic and computer engineer. With a unique combination of both skill-sets, such an engineer is trained to make design decisions that achieve the best results.

## Graduate skills and career opportunities

The variety of careers open to electronic and computer engineering graduates range from designing embedded processors for a wide range of applications, through network design and management in telecommunications companies, to opportunities in business and financial management where the analytic and problem-solving skills of electronic and computer engineers have long been appreciated. Companies employing electronic and computer engineering graduates include Google, Intel, Movidius and Accenture.

## Your degree and what you'll study

This degree option blends aspects of both the electronic and computer engineering.

You will be given a foundation in how analogue and digital electronic circuits work, delve into how information is coded and transmitted across noisy channels (such as the radio links used in mobile phone networks and satellite communication) and learn how these complex channels can be crafted into world-wide networks, such as the Internet – on which we all depend. On the computing side, you will learn how the basic analogue and digital circuits combine to form complex processors (CPUs), how these are programmed at machine level (assembly language) and how operating systems (such as Linux and Windows) make the machine capabilities accessible for high level application programmers.

By the time you get to the fourth year, you are ready to undertake a major individual Capstone project which you can choose from an extensive menu offered by staff or you can opt to take an internship with an employer in the computing and electronics industries (multinational, local company or start-up).

You can choose from a range of modules exploring how computers can render complex graphics, how they can see and understand video images and how this can be used with headset hardware for augmented reality. You can further explore how hackers break into computer systems and how to defend against

attack. Students will also have the opportunity to choose specialist telecommunications and signal processing modules.

There may also be the opportunity to undertake a placement in industry or with a research group or to spend some time studying abroad through the Unitech, Erasmus or Cluster programmes.

The fifth (optional) year leads to a master's degree (M.A.I.) in engineering and it is here that students get to carry out a major dissertation on a topic of their choice. As with the fourth year project, the topic could be anything from wireless communications, signal processing systems, biomedical devices and systems, helping to manage huge cloud computing facilities, through novel face-recognition algorithms to uncovering fraud in bitcoin transactions.

To support your work on the dissertation, you can take a number of optional courses in the first semester including: Digital Media Systems; Speech and Audio Engineering; Statistical Signal Processing; Wireless Networks and Communications; Distributed Systems; Fuzzy Logic; Formal Methods; Advanced Computer Architecture; Networked Applications; Artificial Intelligence and Real-time Animation.



## Do you enjoy...

Understanding how complex systems work?

Planning and executing the solution to a problem?

Working with computers?

## Get in touch!

Department of Computer Science  
[www.scss.tcd.ie/undergraduate/ug-course-list.php](http://www.scss.tcd.ie/undergraduate/ug-course-list.php)

E [enquiries@scss.tcd.ie](mailto:enquiries@scss.tcd.ie)

T +353 1 896 1765

Department of Electronic and Electrical Engineering

[www.tcd.ie/eleceng](http://www.tcd.ie/eleceng)

E [secretary@mee.tcd.ie](mailto:secretary@mee.tcd.ie)

T +353 1 896 1580

# Mechanical and Manufacturing Engineering

Students who wish to study mechanical and manufacturing engineering apply to the engineering degree (TR032).

The first two years are common to all engineering students and at the end of the second-year students select mechanical and manufacturing engineering as their specialist area.

See page 136 for details of the first two years.



## What is Mechanical and Manufacturing Engineering?

This is often seen as the broadest of all engineering qualifications as the skills required range from mathematics and electronics to metal fatigue and fluid mechanics. Nearly all machines used in everyday life – from the car or washing machine to the most complex aircraft or electricity supply plant to the tiniest surgical instrument – have required the skills of a mechanical engineer. Every industrial plant or manufacturing operation relies on a mechanical engineer for its smooth running and efficiency.

Mechanical engineers are involved in design, testing, inspection and manufacture of mechanical devices and components. As a mechanical engineer you will work as a professional using technology to make the world a better, safer place.

## Graduate skills and career opportunities

Our graduates have taken jobs in companies such as: High tech manufacturing (Intel, Pfizer, DePuy, National Instruments, Seagate, Siemens); Automotive (Jaguar, Rover, BMW, Dromone); Engineering and Business Consultancy (Arup, Deloitte, Accenture); Energy (OpenHydro, ESB, Eirgrid, EDF, Vattenfall); and Process Engineering (Cameron Flow Control, Proctor & Gamble, Syngenta, Glanbia, Kerry).

Our graduates went on to master's and Ph.D. programmes in Universities such as: RCSI; Edinburgh, Imperial College London, Brunel, Cambridge, Cranfield University, UK; ETH Zurich; KTH, Sweden; Grenoble, France; and MIT, US.

As well as the potential for a career in mainstream mechanical or manufacturing engineering, graduates have found work in industries as diverse as film production, financial services and airlines. There is also a demand for specialist research and development work in industry, research organisations and universities. Opportunities exist for graduates in mechanical and manufacturing engineering to find employment in Ireland and elsewhere in engineering consultancies, public utilities (transport, power generation) and manufacturing industries in the mechanical, electronic and biomedical sectors.

Your degree and what you'll study:

- Mechanics – how things like cars, wind turbines and rugby players move, deform and break
- How to design new machines and technology, for example a phone charger for developing countries
- Advanced manufacturing techniques such as rapid prototyping

- How heat and energy can be captured, used and managed (how to keep electronics cool as they become more powerful and more compact)

Course topics include: Energy; Solid Mechanics; Engineering Materials; Fluid Mechanics; Manufacturing Technology and Systems; Dynamics; Mechatronics; and Engineering Design.

In third year you will study core engineering subjects, specialised mechanical and manufacturing engineering subjects and a Trinity Elective module. In fourth year and optional master's (fifth) year you will choose from a wide range of technical and non-technical modules, tailoring your degree to suit your own interests.

Project work is an important aspect of this degree and there is an extensive research facility available to students. You will carry out several projects, including a major Capstone research project in your final year. Some examples of final-year projects include:

- Study of jet engine exhaust noise
- Design and build an entry for 'Robot Wars'
- Design and construction of energy storage devices for the developing world
- Pedestrian car impact simulation
- Bamboo: study of structure and mechanical properties

## Do you enjoy...

Imagining new solutions to problems?

Exploring how machines and technology work?

Complex problems?

Using computers and mathematics to apply physics to the real world?

## Get in touch!

[www.tcd.ie/mecheng](http://www.tcd.ie/mecheng)

E [julee@tcd.ie](mailto:julee@tcd.ie)

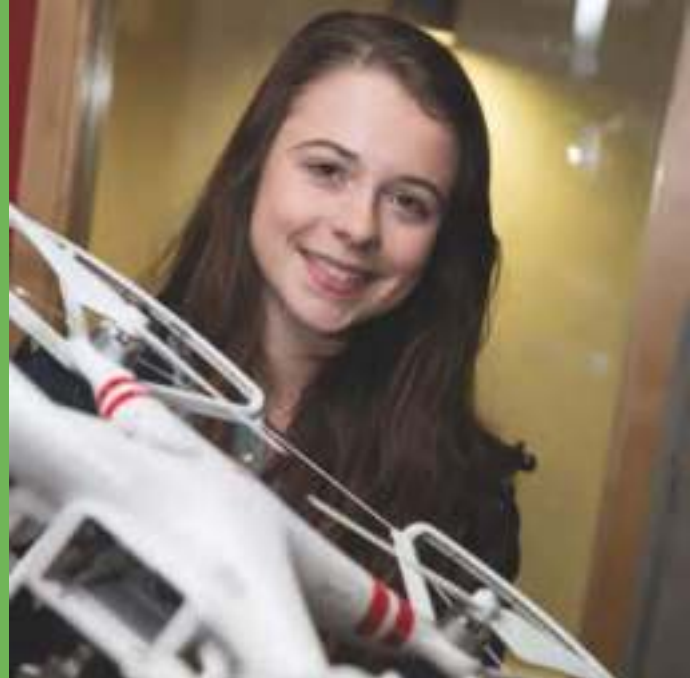
T +353 1 896 1383

# Engineering with Management

**B.Sc. (Ing) Honors Bachelor Degree (NFQ Level 8)**

**Optional: M.A.I. Master's Degree (NFQ Level 9)**

Course Code	CAO Points 2018	Places 2019	Duration
TR038	509	20	4 years (5 years with a master's)



## What is Engineering with Management?

Engineering with Management is an exciting and wide-ranging engineering programme that is broad in scope and aims to develop both the technical and business aspects of engineering. Engineers are problem solvers. In almost every human endeavour, an engineer has been involved somewhere. They have created the designs and systems to make everything from: gliders to space craft, ball-point pens to laser printers, matchbox cars to F1 racing cars, wheelchairs to artificial joints for the human body.

Engineering with management is concerned with the analysis, design, improvement, installation and management of integrated systems of people, finance, materials and equipment. Our graduates have the technical skills common to all excellent engineers, with this knowledge augmented by an understanding of the commercial and industrial environment and the ability to generate innovative solutions to the problems of the world.

## Engineering with Management: The course for you?

Do you like the creative, analytical, problem-solving focus of engineering? Do you like the diversity of engineering? Perhaps, though, you see your professional life more involved with running a company, managing projects, or being a consultant? If any of these describes you, then you should consider this course. The diversity and flexibility of this course will give you endless possibilities in your professional life, both in what you do and how you do it. As well as providing the core competencies for employment in research, manufacturing, production, design and engineering consultancy, the breadth of the course equips graduates to compete favourably with general graduates for careers in the business and financial sectors.

## Engineering with Management at Trinity

A key feature of the engineering with management programme is that the class size is capped at 20 students. This reflects a core belief in the value of small-group teaching and hands-on exercises, which is delivered through active learning strategies implemented by our world-class staff. The course is a professional engineering degree, fully accredited by Engineers Ireland, that produces graduate engineers capable of working in the competitive environment of world-class manufacturing.

Students have the opportunity of studying abroad and have the chance to be chosen for a team which travels to Stanford University and the Silicon Valley area to showcase their product design projects (details below).

## Graduate skills and career opportunities

Graduates of the programme will be suited to jobs in the high-tech sector (e.g. computer, aerospace, pharmaceutical, medical devices, electronic) as well as traditional manufacturing (e.g. design, fabrication, assembly). They often work as project managers on teams with design and test engineers, managers, financial controllers, marketing and sales people. The qualification is also well suited to those who wish to pursue careers in project management and management consultancy as well as in the broader business and financial sectors.

Past graduates are currently working in DePuySynthes, IBM, Intel, Project Management Group, JP Morgan, Davies Stockbrokers, Pfizer, Jaguar Land Rover, Denis Woods Forensic Engineers, PwC Accountancy, Accenture, and Reckitt Benckiser, and many have gone on to create tech start-up businesses.



## Do you enjoy...

Creative, analytical,  
problem solving?

Design it, build it, test it,  
sell it... can you do that?

Can you imagine yourself  
as a tech-entrepreneur?





## Special Entry Requirements

Leaving Certificate	H4	Mathematics
Advanced GCE (A Level)	Grade C	Mathematics



## Your degree and what you'll study

The course is structured around themes that are developed over the four years. These themes are: Engineering Fundamentals, Business and Management, Design and Manufacturing Engineering. Approximately 80% of the syllabus comprises engineering subjects such as design, automation, computer simulation/modelling, bio-engineering and materials. The remaining 20% comprises management subjects such as marketing, finance, quality systems, supply chain management and human resources management. Engineering is a busy but exciting course with typically full days in labs, workshops and lectures, as well as working on team and group projects.

A variety of assessment techniques ranging from traditional examinations to continuous assessment, project work, design portfolios is used over the 4 or 5 years.

Throughout the course, a strong emphasis is placed on group projects, case studies and teamwork. Many of our 4th years are undertaking the 4E5 (Innovation in Product Development) module. This pairs Trinity students in teams with students from the world's leading universities (e.g. Stanford in the US); each team consisting of 4 students from each university. The course also involves trips to Stanford and the Silicon Valley area. The teams are working with industrial sponsors, recent examples being SAP and Panasonic, with a mission to create innovative solutions to real customer needs.

At the end of year three you make a decision to pursue a bachelor's degree (B. Sc.(Ing)) or a master's degree (M.A.I.) depending on achieving the necessary academic standards.

Most of our fourth year students are in the first year of a two year master's-cycle leading to the award of an M.A.I. degree (see below). Students electing to conclude their studies with a bachelor's degree (B.Sc. (Ing)) undertake a Capstone project. Those continuing to a fifth year have a number of other options such as the innovation projects (see above), industry-based internships, or study-abroad programmes (see below). Students in fifth year (studying for an M.A.I. qualification) undertake a major individual research project and range of advanced specialist technical modules.

### Five year master's degree in Engineering with study abroad and internship opportunities

Students who achieve a satisfactory academic standard in their third year may proceed to a 2-year master's degree cycle, which will lead to the award of an M.A.I. (master's in Engineering) degree. Those students who choose to graduate after four years with the B.Sc. (Ing) degree will require additional qualifications (e.g. further/alternative postgraduate study) to be eligible for professional accreditation with Engineers Ireland.

Four principal routes are available:

- The entire fourth year is taken abroad at an approved partner university, after which students return to Trinity and complete their studies with an appropriate range of advanced level modules and a substantial research-based project.

- Semester 2 of year 4 is spent in industry on the Engineering project Internship where students carry out project work in one of Trinity's internship partner Industrial companies based in Ireland or abroad. The engineering project internship is full time from mid-January to June. Example companies include; Nokia, DepuySynthes, Ferrari, Glanbia, Deloitte, PwC and many others.
- An extended period (approximately 6-8 months) in the fourth year is spent at either an approved partner university (e.g. KTH Stockholm, IST Lisbon, UPC Barcelona, EPFL Lausanne, KUL Belgium), or in a formal industrial placement, after which students return to Trinity and complete their studies with an appropriate range of advanced level modules and a substantial Capstone research project.
- An integrated 2-year cycle based in Trinity, comprising an approved combination of project work and lectures.

### Other courses you might enjoy

TR032: Engineering, page 136

TR034: M.S.I.S.S., page 134

### WHAT OUR GRADUATES SAY

#### Rory Stoney,

From day one we were challenged with the task of becoming problem solvers, critical thinkers but with an acute focus on being able to communicate and present ideas and concepts to others. There was always a very clear connection between the work we did and real world application. This was one of the biggest winners for me. We could see where our learning could be applied in the real world. I owe the current continued success of my own company (StoneyCNC) largely to the learning and experience from studying in Trinity. I can't recommend it enough.



## Get in touch!

[www.tcd.ie/mecheng/engman](http://www.tcd.ie/mecheng/engman) | E [kevin.kelly@tcd.ie](mailto:kevin.kelly@tcd.ie) | T +353 1 896 1383

# Science

## B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR060 Biological & Biomedical Sciences	500	235	4 years
TR061 Chemical Sciences	498	72	4 years
TR062 Geography & Geoscience	393	54	4 years
TR063 Physical Sciences	509	52	4 years



### What is Science?

Science is about knowledge: the generation of knowledge through research and its acquisition through learning. Scientific investigation allows us to understand the world around us: how the physical world has evolved and changed since the Big Bang and how life has advanced into complex, diverse forms. The application of scientific knowledge has led to world changing developments such as modern medicine, the mobile phone and efficient methods of energy production. As we acquire new knowledge, our understanding of the world changes which in turn leads to new and better applications. There is still much to discover and new applications to be developed. Do you want to contribute?

### Is Science the course for you?

Science at Trinity is offered through four different entry routes/streams leading to an honors degree following four years of study. We offer students opportunities to choose from four entry paths/streams: Biological and Biomedical Sciences; Chemical Sciences; Geography and Geoscience; Physical Sciences. These four entry routes lead to one of 20 exit routes. The programme will offer students a detailed knowledge and thorough understanding of the scientific method. Students will learn scientific skills while developing an understanding of the role and Influence of science on society.

### Science at Trinity

The advantages of studying science in Trinity:

- Outstanding teaching by scientists and mathematicians who are at the forefront of their fields worldwide
- Coherent, progressive programmes in four broad streams
- Wide range of specialist mentorship subjects
- Broad choice of additional, approved and elective modules
- All students complete a Capstone research project
- Small classes in third and fourth year
- Opportunities to study abroad before and after graduation
- Rigorous education and training in chosen field
- Excellent career prospects in Ireland and abroad
- Trinity is recognised internationally as one of the top research universities in Europe
- Research-led teaching by world leaders in their fields of study

### Graduate Skills and Career Opportunities

#### Graduate skills

Science Graduates develop a wide range of skills, some of which include:

- A working understanding of the scientific method and how scientific knowledge is acquired
- A broad understanding of the basic scientific disciplines
- A capability for critical thinking and evaluation of current and novel concepts and ideas
- A detailed knowledge of the specialist area of study, its core principles and an awareness of its knowledge boundaries
- Creativity, with an ability to formulate novel concepts and ideas
- The ability to collect qualitative and quantitative data with precision and organisation
- The numeracy to analyse and critically evaluate data using appropriate mathematical, statistical, computational and other relevant methods
- Ability to work both individually and within a team
- Capability to manage a project, set and achieve objectives and manage resources.
- Capability to communicate knowledge, concepts and ideas to scientific and non-scientific audiences.
- An understanding of the role and influence of scientific knowledge on society.

### Career opportunities: What can I do with a science degree?

Many Trinity Science and Mathematical graduates pursue graduate courses or research leading to an M.Sc. or Ph.D. Trinity Science and Mathematics graduates pursue a wide variety of careers in a diversity of areas – for example:

### Do you...

Have a natural curiosity about the world around you?

Want to experience the excitement of scientific discovery?

Want the scientific knowledge that allows you to contribute to solving some of the problems facing mankind today?

## Special Entry Requirements

Leaving Certificate	H6 or O4	Mathematics
	H4	In two of physics, chemistry, biology, mathematics, physics/chemistry, geography, computer science, applied mathematics or agricultural science
GCSE	Grade B	Mathematics
Advanced GCE (A Level)	Grade C	In two of physics, chemistry, biology, mathematics, geology, geography, computer science, or further mathematics

Combinations of subjects not permitted:

Physics/chemistry with physics or chemistry

Agricultural science with biology

Applied mathematics with mathematics



- › Universities and research institutes
- › Chemical and pharmaceutical industries
- › Biotechnology
- › Electronics, computer and IT industries
- › Agricultural and food industries
- › Medicine
- › Hospital and medical services
- › Teaching
- › Science administration, communication and journalism
- › Law, business, financial services

## Your degree and what you'll study

Trinity Science is split into four different entry routes:

### TR060 – Biological and Biomedical Sciences

(Degree options for TR060: Biochemistry, Botany, Environmental Sciences, Genetics, Human Genetics, Immunology, Microbiology, Molecular Medicine, Neurosciences, Physiology, Zoology)

### TR061 – Chemical Sciences

(Degree options for TR061: Chemistry, Chemistry with Biosciences, Chemistry with Molecular Modelling, Medicinal Chemistry, Nanoscience)

### TR062 – Geography and geoscience

(Degree options: Geography; Geoscience)

### TR063 – Physical sciences

(Degree options: Physics; Physics and Astrophysics; Nanoscience)

For further details and to see what our current students say, check out our website:

[www.tcd.ie/science/prospective](http://www.tcd.ie/science/prospective)

		1st Year	2nd Year	3rd and 4th Year	
TR060	<b>Biological and Biomedical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Botany</li> <li>Environmental Science</li> <li>Genetics</li> <li>Human Genetics</li> <li>Immunology</li> <li>Microbiology</li> <li>Molecular Medicine</li> <li>Neuroscience</li> <li>Physiology</li> <li>Zoology</li> </ul>	Quota 235
TR061	<b>Chemical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Chemistry</li> <li>Chemistry with Biosciences</li> <li>Chemistry with Molecular Modelling</li> <li>Medicinal Chemistry</li> <li>Nanoscience</li> </ul>	Quota 72
TR062	<b>Geography and Geoscience Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Geography</li> <li>Geoscience</li> </ul>	Quota 54
TR063	<b>Physical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Nanoscience</li> <li>Physics</li> <li>Physics and Astrophysics</li> </ul>	Quota 52



## Get in touch!

Please contact us by email to arrange a visit if you're thinking about studying Science at Trinity.

E [science@tcd.ie](mailto:science@tcd.ie) | T +353 1 896 2829 / 2022

See our introduction to Science presentation and student profiles: [www.tcd.ie/science/prospective](http://www.tcd.ie/science/prospective)



# TR060 Biological and Biomedical Sciences

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR060	500	235	4 years



Biology is the study of living things; we explore how life first arose: the properties that distinguish living organisms from inert matter; how the vast diversity of life forms was generated; how organisms reproduce themselves; how they interact both with each other and with the environment. Biology is fundamental to understanding the world we live in and plays a huge role in medicine.

Modern biological science is unravelling the mysteries of life; it is helping us to meet the challenge of illnesses such as dementia and cancer, to defend against new viruses and drug-resistant bacteria, and to protect ecosystems from climate change and other threats.

## Structure of the Biological and Biomedical Sciences (TR060) programme

In this stream, students will study the core concepts that are fundamental to all biological systems. These will be presented in core modules during first and second year and will include: cell structure and composition, genetics and evolution, molecular biology, metabolism, anatomy and physiology of bacteria, fungi, plants and animals, ecosystems and environmental biology. In addition, students will acquire mathematical, statistical and computational skills and study the history, philosophy and ethics of science. Students have the opportunity to expand their scientific knowledge and to pursue their individual interests by choosing from a variety of approved modules by choosing from a variety of open modules including topics such as animal behaviour, genomes and disease, microbes and immunity, chemistry for biologists and geochemistry,

In the third year, students specialise in one of the 11 moderatorships offered in this stream: Biochemistry; Botany; Environmental Science; Genetics; Human Genetics; Immunology; Microbiology; Molecular Medicine; Neuroscience; Physiology; Zoology. The fundamental concepts of that discipline will be presented in core modules while students will also select from a variety of modules from allied disciplines that enhance understanding of their chosen discipline and encourage interdisciplinary thinking and research. Students can also experience the wide range of knowledge and investigation available throughout the university by choosing from a range of Trinity's electives. In the fourth year students choose from a selection of modules on advanced topics within their discipline. They will also undertake a research project in Trinity or in a research laboratory in another university, research institute or hospital. Throughout this programme, students will also acquire skill in problem solving and data handling and in oral and written communication.

This science education programme is designed to foster and develop a student's capability for independent thought and effective communication, an ability to continue their education independently and to act in a responsible manner. These attributes are a preparation for a career in science and medicine (e.g. in research, biotechnology, pharmaceutical industry); for a career in related areas where a scientific education is beneficial (e.g. patent law, forensic science) and for careers in areas such as education, management, business, industry, communication and policy making.





		1st Year	2nd Year	3rd and 4th Year	
TR060	<b>Biological and Biomedical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Botany</li> <li>Environmental Science</li> <li>Genetics</li> <li>Human Genetics</li> <li>Immunology</li> <li>Microbiology</li> <li>Molecular Medicine</li> <li>Neuroscience</li> <li>Physiology</li> <li>Zoology</li> </ul>	Quota 235
TR061	<b>Chemical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Chemistry</li> <li>Chemistry with Biosciences</li> <li>Chemistry with Molecular Modelling</li> <li>Medicinal Chemistry</li> <li>Nanoscience</li> </ul>	Quota 72
TR062	<b>Geography and Geoscience Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Geography</li> <li>Geoscience</li> </ul>	Quota 54
TR063	<b>Physical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Nanoscience</li> <li>Physics</li> <li>Physics and Astrophysics</li> </ul>	Quota 52



#### WHAT OUR STUDENTS SAY

##### Tala Farah

I chose to study this course at Trinity because I read into the faculty and saw that many were at the top of their fields and thought it would be amazing to be taught by them. To be in the same room as them and get a sense of how their minds work inspires me to think outside of the box and discover new things through independent study and research.

If I were to describe Trinity in 3 words, they would be: innovative, enlightening, and diverse.

# Biochemistry

Students who wish to study biochemistry for their degree apply to the biological and biomedical sciences stream (TR060) and may select biochemistry as their specialist subject for the third and fourth years at the end of the second year.



## What is Biochemistry?

Biochemistry deals with the structure and function of the building blocks of life, such as proteins, lipids and nucleic acids, and how these various components work together in living organisms. Biochemists have also helped develop key technologies and instruments that are used widely in the life and medical sciences. Biochemistry is thus an integral part of medicine and helps us understand the molecular basis of disease and pathological disorders and is concerned with the development of new therapeutics. All major pharmaceutical companies invest heavily in biochemistry to help aid their development of new drugs for cancer, infectious diseases and other pathological conditions. Biochemistry is also an essential component of biotechnology, where processes for the production of foods and fuels, and enzymes and other proteins are developed.

## Biochemistry: The course for you?

If you are interested in chemistry or biology then biochemistry is a good choice for you. Biochemistry has a strong medical slant at Trinity and is an ideal choice if you are interested in biomedical sciences. Biochemistry is also a broad and practical discipline and provides training suitable for many career paths. So if your interests are broadly in the molecular side of the life sciences and medicine but are undecided about your exact career path then biochemistry is good choice for you.

## Biochemistry at Trinity

When you study biochemistry at Trinity you will have the opportunity to learn from leading researchers in cancer biology, obesity, diabetes, neurobiology, neurodegeneration, autoimmunity, parasitology, immunometabolism, protein structure and drug development. Teaching and training takes place in a new state-of-the-art facility, the Trinity Biomedical Sciences Institute, which allows interdisciplinary training in biomedical sciences. Special features of biochemistry teaching at Trinity is the use of small group (2-3 students) tutorials with an assigned member of staff in third and fourth year, a nine week individual Capstone research project in the laboratory of one of the fifteen principal investigators in biochemistry in your final year and hands on training within the most advanced core facilities for microscopy, cytometry, NMR and X-ray crystallography in the country.

## Graduate skills and career opportunities

This degree will equip you to work in all major aspects of biochemistry, cell and molecular biology. Currently biochemistry graduates work in hospitals, commercial laboratories dealing with analysis, biotechnology, food science, pharmaceuticals or diagnostics. Biochemistry graduates also benefit from their training in critical thinking, analytical reasoning

and presentation and communication skills. Consequently, our recent graduates are in high demand in careers not related directly to biochemistry such as communication, information systems, teaching, management, patent law and journalism. Examples of companies where biochemistry graduates from Trinity are employed include Abbot, Andor Technology, Kerry Group, MSD, Novartis, and Pfizer. In addition, recent graduates also work in organisations such as the HSE, HPRA, Forensic Science Ireland, Teagasc and also in science journalism in RTÉ, BBC, Nature group. Biochemistry graduates are also employed in scientific administration in organisations such as the HRB, the Wellcome Trust and the European Commission. Many graduates are also employed in teaching at second and third level.

### WHAT OUR GRADUATES SAY

#### Orla Hanrahan

I have always been interested in the biomedical sciences and Trinity was an obvious choice for me because of the international reputation it has in this field. I chose biochemistry as my degree area mainly because this subject links to so many areas of biomedicine and the emphasis it placed on developing a broad range of skills suitable for graduate entry into many career areas.

I was recruited by Andor Technology, where I work as an Application Specialist in Life Science. This role keeps me in touch with all the latest developments and innovations in camera technology and microscopy applications and gives me the opportunity to interact with researchers in universities, companies and hospitals all over the world. Studying biochemistry has given me the opportunity to have a career in an academic and commercial environment.

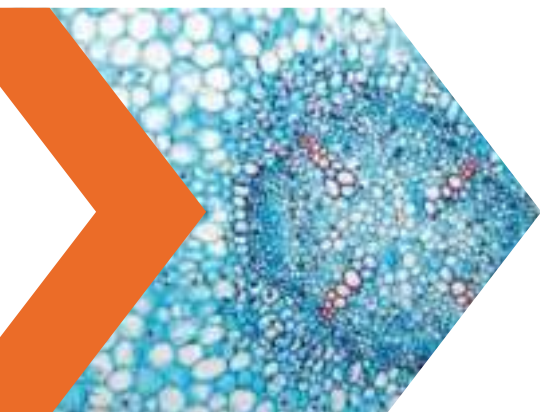
## Do you enjoy...

Biology and/or chemistry?

Finding how out living things work and why sometimes things go wrong?

Discovering new ways to treat and prevent illnesses?

Telling people about your ideas?







## Your degree and what you'll study

### First and second years

During the first two years, students intending to take biochemistry as their final degree will take a range of modules in biology, chemistry, mathematics as well as open modules in other relevant areas.

### Third year

Core modules are: Protein Structure and Function, Membrane and Cell Biology, Nucleic acids and Gene expression, Biochemistry in Health and Disease, Research Skills and Biochemical Analysis.

### Fourth year

Core modules are: Neurobiology, Developmental Biology, Microbial Diseases, Stem Cell Biology, Cancer Biology, Metabolic Diseases, Structural Biochemistry and Cellular Imaging, Immunology, Capstone Research Project in Biochemistry.

If you would like to find out more detailed information on all the modules offered, please visit [www.tcd.ie/biochemistry/undergraduate](http://www.tcd.ie/biochemistry/undergraduate)

### Study abroad

The School of Biochemistry and Immunology participates in the Erasmus scheme which offers the opportunity for students to spend their third year studying in a university in the UK (University of Glasgow), France (Université Joseph Fourier, Grenoble) or Germany (University of Mainz). Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/biochemistry/undergraduate](http://www.tcd.ie/biochemistry/undergraduate) or by contacting Prof. Andrei Budanov [budanova@tcd.ie](mailto:budanova@tcd.ie)

### WHAT OUR GRADUATES SAY

#### Kieran Patel

Biochemistry is a broad and expansive discipline. I chose to study Biochemistry for this reason as I was always interested in understanding the fundamental principles that underpin much of biology.

The course at Trinity reflects the broadness of the discipline. The environment is enlightening and stimulating, due in most part to the close contact and interaction with academic staff. I found myself engaging with and learning from world leading researchers on a regular basis. If your interests are broad, you have a desire to uncover the deepest layers of biology and you wish to learn a new way of thinking and understanding, this course is very right for you.



## Get in touch!

Contact for all general queries: | [E science@tcd.ie](mailto:science@tcd.ie) | [T +353 1 896 2819/2022](tel:+353189628192022)

School of Biochemistry and Immunology, Trinity Biomedical Sciences Institute,  
Trinity College Dublin, 152-160 Pearse Street, Dublin 2, Ireland

[www.tcd.ie/biochemistry](http://www.tcd.ie/biochemistry)

# Botany

Students who wish to study Botany apply to the Biological and Biomedical Sciences Stream (TR060) and may select Botany as their specialist area for the third and fourth years at the end of the second year.

## What is Botany?

Botany is the scientific study of plants. These studies are pursued in the field, in the botanic garden and in laboratories. Plants range from the largest forest trees to single celled algae of fresh and marine waters. The study of plants is of vital importance; they are the source of the food we eat, the oxygen we breathe, most of the medicines we use, and are core to the understanding of the processes of global climate change. Dealing with the threats from global climate change will be one of the biggest challenges of this century. Human manipulation of plants in the future will need to provide food and energy for an expanding human population, whilst conserving the biodiversity of living organisms and integrity of habitats.

## Botany: The course for you?

If you are interested in the future of the planet and life on it then Botany is for you. Almost no other course offers you the opportunity to study the natural, living World in the field and laboratory. Our graduates enter into a large range of careers and, as there is a global shortage of plant scientists, find employment in a huge range of careers.

## Botany at Trinity

Trinity's botany course is unique in content in Ireland and uncommon in a European context. Uniquely, we integrate small-group teaching, field-based activities and the laboratory. Field-based teaching in ecology, physiology and plant evolution is at its heart: We consider both the whole plant and how it works in a natural context. All staff are research active with high profile, strong research interests in Ireland and the tropics. Consistently, our graduates have rated our course very highly indeed: we believe that our course offers you the best possible training in Ireland for your future career.

## Graduate skills and career opportunities

When you graduate you can move directly into a career related to plant biology, such as nature conservation, environmental consultancy, environmental protection, plant evolutionary biology or agricultural research as well as teaching at second level. Our recent graduates are employed in many organisations, including Teagasc, the OPW, Botanic Gardens at Glasnevin, Kew, Edinburgh, Oman and Missouri, Barclay Crop Protection and the UK Carbon Capture and Storage Research Centre. Alternatively, you might decide to go on to take a higher degree in Trinity or elsewhere. The skills you acquire in the third and fourth years are also widely applicable in business and industry.

## Your degree and what you'll study

Trinity specialises in the study of the evolution and conservation of all forms of plant life and their response to global climate change impacts.

Courses include:

Plant biodiversity and conservation, Ecology, Plant physiology and global climate change, Long-term environmental change, Plant molecular biology, Pollination biology, Soil Science, Economic Botany.

The laboratories and greenhouses on Trinity campus, the Trinity Botanic Garden and the internationally recognised Herbarium support teaching. All courses are derived from active research lines and emphasis is placed on your own Capstone research project in the fourth year.

All students are given the opportunity to participate in field courses which take place in Ireland, the Canary Islands (Gran Canaria) and the tropics (Kenya).

## WHAT OUR GRADUATES SAY

### Anne Doyle

The course is one of very few science courses where students have the opportunity to embark on inspiring field trips to Gran Canaria and Kenya. It is so varied that it covers many areas in biology including biochemistry, genetics, ecology, conservation and physiology. I accumulated a tremendous range of skills ranging from laboratory techniques, field research, reporting to knowledge of national and European Law. The important thing to remember when considering Botany is that you will graduate as a scientist and not as a gardener.

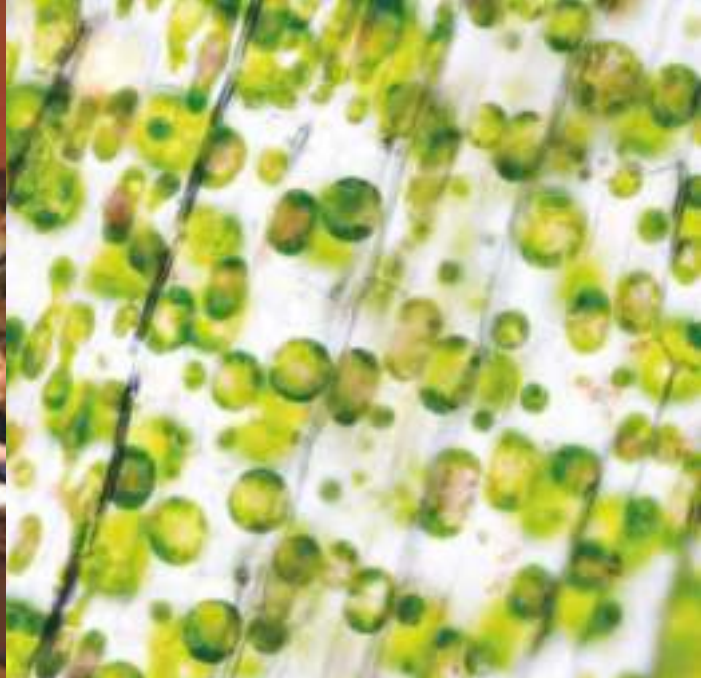
## Do you enjoy...

Exploring and understanding your environment?

Doing laboratory work?

Exploring new places?





### Third year

Mandatory modules: Plant Physiology; Fundamentals of Ecology; Plant Molecular Biology; Plants and the Irish Environment; Seminars, tutorials and workshops; Angiosperm Diversity and Systematics; Environmental Dynamics; Field Skills in Plant and Environmental Science (Canary Islands); Soil Science; Economic Botany; Experimental Design and Analysis; Diversity of Plant Morphology. Optional modules: Entomology; Trinity Electives.

### Fourth year

Mandatory modules: Capstone research project; Plant Conservation and Biodiversity; Data Analysis; Global Environmental Change; Seminars, tutorials and workshops; Environmental Impact Assessment; Estuarine Ecology; Vegetation Description and Analysis; The Evolution of Plants and Plant Atmosphere Interactions; Plant Environment Interactions. Optional modules: Restoration Ecology and re-wilding; Tropical Ecology Field Course (Kenya); Plant-Animal Interactions; Plant Breeding and Biotechnology. If you would like more detailed information on all the modules offered, see:

[www.tcd.ie/botany](http://www.tcd.ie/botany)

### Study abroad

Two of the field courses on offer are based abroad and there are potential opportunities available to study abroad in institutions with which we have a Memorandum of Understanding e.g. in Thailand.

### WHAT OUR GRADUATES SAY

#### Kerry Ryan

I knew I wanted to choose a field that would allow me to contribute to the ongoing battle with climate change and sustainable agriculture, and I found that in Botany. This is a course for aspiring natural scientists and environmentalists, and you will graduate as a fully-fledged plant biologist, not a horticulturalist. This course has given me so many skills from a proficiency in fieldwork at home and abroad, to lab techniques in biotechnology and microscopy, to a good foundation in statistical analysis. The reasonably sized class allows you connect with your fellow plant biologists and become a strong team player, while also building a close professional relationship with your lecturers. The opportunities that lie before me with this degree behind me are endless.



## Get in touch!

[www.tcd.ie/botany](http://www.tcd.ie/botany) | Prof. Mike Williams | [E botany@tcd.ie](mailto:botany@tcd.ie) | [T +353 1 896 1274](tel:+35318961274)



[www.facebook.com/pages/botany-department-trinity-collegedublin/359289924093179](https://www.facebook.com/pages/botany-department-trinity-collegedublin/359289924093179)



# Environmental Sciences

Students who wish to study Environmental sciences apply to the biological and biomedical sciences stream (TR060) and may select environmental sciences as their specialist subject for the third and fourth years at the end of the second year.



## What is Environmental Sciences?

Environmental science is the study of the various interactions between the biological, chemical and physical components of our environment with special emphasis on the human influences on these components. Environmental scientists have training that is similar to other physical or life scientists, but is specifically applied to the environment.

## Environmental Sciences: The course for you?

This course has been designed to provide for the needs of students with an interest in this rapidly developing academic and professional field. It comprises specially designed modules plus suitable open modules from contributing disciplines. There should be ample choice within the listed optional modules for a selection that reflects a particular student's interests.

## Environmental Sciences at Trinity

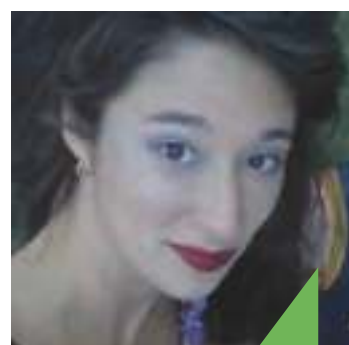
Environmental sciences is by its nature a multidisciplinary research area. A broad scientific knowledge is required which may also involve an understanding of economics, law and the social sciences.

The Environmental sciences programme therefore comprises specially designed modules plus a large range of optional modules from contributing disciplines to allow students to follow their own particular interests. Fieldwork is a core component of the course structure. Students attend a range of residential field excursions both around Ireland as well as in the Canary Islands and Kenya.

## Graduate skills and career opportunities

As a graduate in this area you will be able to take advantage of the worldwide demand generated by increasing environmental awareness. Our graduates pursue careers in conservation, resource management, waste management, environmental research, environmental protection and environmental education.

Many graduates move straight into environmental consultancy, while others find employment in NGO's, national and local government departments, monitoring agencies, conservation bodies and analytical laboratories. It is also common for a number of our graduates to choose to further their education by pursuing postgraduate degrees in Environmental Science.



### WHAT OUR GRADUATES SAY

#### Rosie O'Neill

I originally decided to study Environmental Science as it was best suited to my own interests and the broad scope of future career choices it allowed. Beginning the course under a Natural Sciences title gives the opportunity to study a wide range of subjects in the first 2 years; an excellent experience which offers the chance to consider all options before deciding on a speciality.

The Environmental Science course itself was full of relevant and interesting modules that were not only applicable to science but also to current affairs and global politics (e.g. the Environmental Governance module). The practical side of this course was on-going and involved plenty of lab work, field studies and trips to places such as Gran Canaria. It also connected with external opportunities such as Operation Wallacea that allowed students the optional chance to gather data for their theses in more exotic environments during the summer of third year. Overall, I would consider this course to be one of the most exciting areas of study regarding the future global climatic and economic situation. I have found that the opportunities it offers are huge and can filter into many different types of careers. I graduated in 2017 and am now carrying out a Ph.D. on Greenhouse Gas emissions in Teagasc.



## Do you enjoy...

Learning about the natural world?

Working outdoors in the field?

Having the flexibility to follow  
your own interests?



## Your degree and what you'll study

### Third year

Mandatory modules are: Fundamentals of Ecology; Hydrology and Water Quality; Wildlife Biology; Environmental Monitoring; Plants and the Irish Environment; Experimental Design and Analysis; Soil Science; Environmental Governance

Optional modules are: Environmental Dynamics; Field Skills in Plant and Environmental Science; Entomology; Economic Botany; Diversity of Plant Morphology.

### Fourth year

Mandatory modules are: General Environmental Sciences; Capstone Research Project; Data Handling; Research Comprehension; Environmental Impact Assessment; Global Environmental Change

Optional modules are: Plant Conservation and Biodiversity; Environmental Governance II; Conservation and Wildlife Management; Evolution of Plants and Plant Atmosphere Interactions; Tropical Ecology and Conservation; Plant-Animal Interactions; Vegetation Description and Analysis; Spatial Analysis using GIS; Restoration Ecology and re-wilding.

If you would like more detailed information on all the modules offered, see:

[www.naturalscience.tcd.ie/undergraduate/environsci/index.php](http://www.naturalscience.tcd.ie/undergraduate/environsci/index.php)

### WHAT OUR GRADUATES SAY

#### Isabel Jorgensen

This course is incredible. It provides the broad interdisciplinary knowledge that is essential in understanding modern environmental problems, and a well-balanced combination of lab work, field work, and desk studies. The work that you do in the course throughout the year will have immediately apparent relevance to your exams, your degree, and to anything you choose to do with your future. The lecturers in all of the departments are engaging, understanding, and exceptionally approachable. If you want a close working relationship with your lecturers, a broad understanding of the natural sciences, and the opportunity to specialise through a wide selection of optional modules, then this course is for you. I'll be sad to graduate.



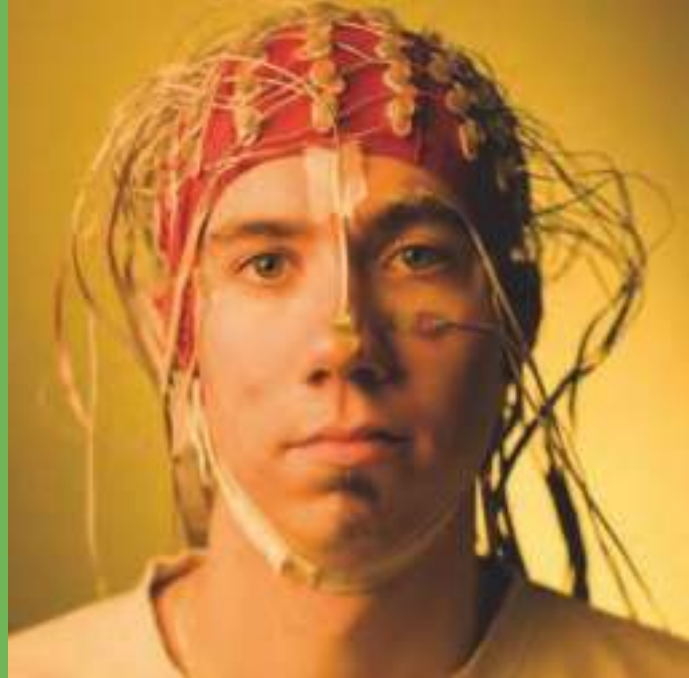
## Get in touch

[www.tcd.ie/botany/people/saundem](http://www.tcd.ie/botany/people/saundem) | Prof. Matthew Saunders | [E saundem@tcd.ie](mailto:saundem@tcd.ie) | [T +353 1 896 4870](tel:+35318964870)



# Genetics

Students who wish to study genetics apply to the biological and biomedical sciences stream (TR060) and may select genetics as their specialist area for the third and fourth years at the end of the second year.



## What is Genetics?

Genetics is the study of genes, genomes and heredity. It has developed rapidly in the last decade as new technology has made it possible to study genes in much greater detail and to rapidly sequence genomes.

A few examples of remarkable advances in knowledge include:

- The discovery of the molecular basis of many inherited disorders
- The application of gene editing to plant and bacterial systems for biotechnology
- The detailed description of the evolutionary relationships of all organisms
- The application of DNA fingerprinting to forensic science

## Genetics: The course for you?

If you are interested in understanding the principles of inheritance; how genetic mechanisms control different developmental and physiological processes in biology; and how a perturbation of these mechanisms leads to disorders and diseases, this is the right course for you.

## Genetics at Trinity

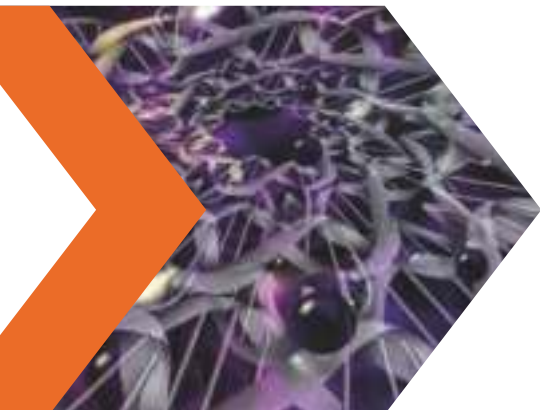
Genetics is run by the Department of Genetics, which is part of the School of Genetics and Microbiology and is located in the Smurfit Institute of Genetics with state-of-the-art research facilities. There are 12 members of faculty and a number of academic associates, working in a wide range of areas of genetics areas covering everything from medical genetics, pharmacogenomics, stem cells to evolutionary genetics, bacterial and plant genetics, amongst other areas. The Department of Genetics has an international reputation for high-quality research and more than 50 years of experience in teaching genetics to undergraduate students. The teaching of the Department is research-driven; undergraduates are taught by research-active scientists with excellent track records in their chosen fields.

## Graduate skills and career opportunities

Many Genetics graduates go on to higher degrees (M.Sc. and/or Ph.D.) and take up careers in research in either academia or industry. Opportunities exist in biotechnology and pharmaceutical companies, agricultural organisations, medical or clinical diagnostic laboratories, forensics, public health and epidemiology programmes, and in teaching. Other graduates have gone into careers such as medicine, patent law or science journalism. Even if you choose a career not directly related to the scientific subject, the skills of critical thinking and problem solving provided by the genetics degree will put you in high demand.

## Your degree and what you'll study

During third year, students will learn about the fundamentals of genetics through a combination of lecture courses and practical classes. To this end, students will be exposed to different areas of genetics ranging from bacterial genetics, to plant genetics, to medical genetics. Practical classes teach the students about key techniques and analysis methods that are widely used in genetics laboratories. In fourth year, students can choose, largely depending on their interests, from a number of lecture courses on different areas of genetics. They also spend 10 to 12 weeks in a laboratory of the institute and participate in ongoing research projects. They further write an in-depth literature review on a current topic of genetics.



## Do you enjoy...

Exploring the way living things work?

Understanding the power behind all biological systems?

Gathering evidence to support new theories and ideas?





### Third year

Eukaryotic Molecular Genetics, Bacterial and Plant Molecular Biology and Genetics, Genomics, Neurogenetics and Drosophila, Medical Genetics, Evolutionary Genetics, Molecular Genetics Laboratory, Analytical Genetics Laboratory, Data Handling, Genetics tutorials, Genetics Review.

### Fourth year

Literature Review, Capstone Research Project, Choices from a range of taught subjects including: Principles of Genetics, Plant Molecular Genetics, Plant Developmental Genetics, Microbial Molecular Genetics, Cancer Genetics, Transgenic Animals and Gene therapy, Genetics of Perception, Programmed Cell Death, Stem Cell Biology, Genetics and Immunology of Neural Diseases, Molecular Evolution, Developmental Genetics of Drosophila, Human Evolutionary Genetics, Behavioural Genetics, Epigenetics.

### Assessment

Students will be assessed by a combination of continuous assessment and end-of-year examinations.

### Study Abroad and internship opportunities

#### Internships

The Department helps students to secure internships in research laboratories (both in Ireland and internationally) over the summer period between the third and fourth years, so that they can gain valuable research experience. Some students spend all or part of the summer period in US laboratories, again between third and fourth year.

#### WHAT OUR GRADUATES SAY

#### Matthew Carrigan

The quality of teaching and research in Genetics at Trinity is world-class. I was given the opportunity to work at a lab in a top US university in the summer after my third year, and I was amazed to find how familiar researchers there were with the work being done in their field at Trinity. The whole department is deeply interconnected with leading worldwide researchers and institutions, and a number of graduates I know went on to further research both here at Trinity and at leading institutions abroad.



**Get in touch!**

[www.tcd.ie/genetics](http://www.tcd.ie/genetics) | **E** [genetics.secretary@tcd.ie](mailto:genetics.secretary@tcd.ie) | **T** +353 1 896 1140

# Human Genetics

Students who wish to study human genetics apply to the biological and biomedical sciences stream (TR060) and may select human genetics as their specialist area for the third and fourth years at the end of the second year.

## What is Human Genetics?

Human genetics is the study of genes – or heredity – in humans. It examines the effects of these genes on both individuals and societies. It has developed rapidly in the last decade as new technology has made it possible to study genes in much greater detail and to rapidly sequence the genomes of humans and other species. A few examples of remarkable advances in knowledge include:

- › The sequencing and analysis of hundreds of thousands of complete human genomes
- › The development of genetic and stem-cell-based therapies for inherited disorders
- › The ability to trace the evolution of humankind using ancient genomics
- › The application of genomics to cancer medicine

## Human Genetics: The course for you?

If you are interested in understanding how genetics is central to controlling every cell and its functions including the 10-100 trillion cells in the human body, to directing intricate programmes of development and to causing many different disorders when perturbed, this is the right course for you. If you want to understand how genetic information is driving the development of novel therapies, is enabling the individualisation of medicines targeted towards patients' needs, is revealing our ancestries and how it underpins evolutionary biology, this is the degree for you.

## Human Genetics at Trinity

Human Genetics is run by the Department of Genetics, which is part of the School of Genetics and Microbiology and is located in the Smurfit Institute of Genetics with state-of-the-art research facilities. There are 12 members of faculty and a number of academic associates, working in a wide range of areas of Human Genetics covering everything from medical genetics, gene based medicines, pharmacogenomics, stem cells to ancient and modern human population genetics, amongst other areas. The Department of Genetics has an international reputation for high-quality research and more than 50 years of experience in teaching Genetics and Human

### WHAT OUR GRADUATES SAY

#### Ciarán Campbell

My experience as a human genetics student in Trinity has been very fulfilling. Coming from a small secondary school I was worried about getting lost at university. Luckily the Genetics team has an extremely friendly atmosphere right through from classmates to the Ph.D. students and lecturers. The lecture courses are very interesting and engaging. The ability to work in research laboratories has given me valuable hands on experience in the cutting edge research that is ongoing in the field of genetics.

Genetics to undergraduate students. The teaching of the Department is research driven; undergraduates are taught by research-active scientists with excellent track records in their chosen fields.

## Graduate skills and career opportunities

Many Human Genetics graduates go on to higher degrees (M.Sc. and/or Ph.D.) and take up careers in research in either academia or industry. Opportunities exist in biotechnology and pharmaceutical companies, medical or clinical diagnostic laboratories, forensics, public health and epidemiology programmes, and in teaching.

Genetic counselling is a rapidly expanding field that might also interest you. Other graduates have gone into careers such as medicine, patent law or science journalism. Even if you choose a career not directly related to the scientific subject, the skills of critical thinking and problem solving provided by the Human Genetics degree will put you in high demand.

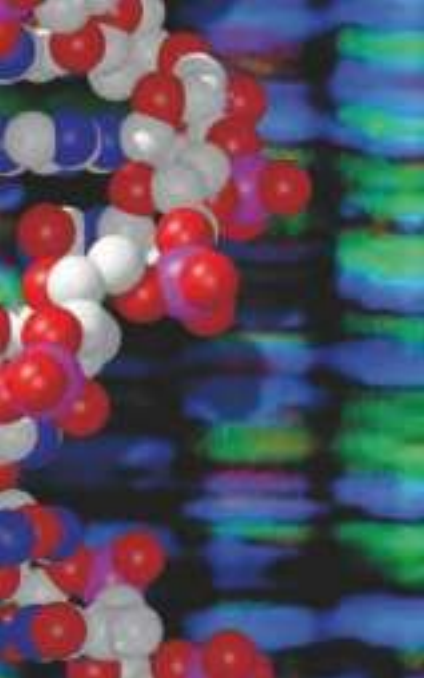
## Do you enjoy...

Logically exploring human biology and behaviour?

Understanding the power behind genomics and its impact on human health and society?

Finding out how our species got here and how humans became like we are today?





### Your degree and what you'll study

During third year, students will learn about the fundamentals of Human Genetics through a combination of lecture courses and practical classes. To this end, students will be exposed to different areas of Human Genetics ranging from medical genetics to the genetic programmes underpinning cell biology. Practical classes teach students about key techniques and analysis methods that are widely used in Human Genetics. In fourth year, students can choose, largely depending on their interests, from various lecture courses in different areas of Human Genetics. Students spend 10 to 12 weeks in a laboratory in the Institute and participate in on-going cutting edge research projects.

#### Third year

Subjects include: Medical Genetics, Pharmacogenomics, Eukaryotic Molecular Genetics, Genomics and Systems Biology, Neurogenetics Evolutionary Genetics, Molecular Genetics Laboratory, Analytical Genetics Laboratory, Human Genomics Data Handling, Human Genetics tutorials, Human Genetics Review.

#### Fourth year

Human Genetics literature review; Human Genetics Capstone research project; Lecture topics including Principles of Human Genetics, Transgenic Animals and Gene Therapy, Genetics and Epigenetics of Cancer, Prion-Like Proteins, Apoptosis, Stem Cell Biology, Molecular Evolution; Genetics and Immunology of Neural Diseases, Human Evolutionary Genetics, Genetics of Neural Development, Behavioural Genetics.

#### Assessment

Students will be assessed by a combination of continuous assessment and end-of-semester examinations.

### Study Abroad and internship opportunities

The Department helps students to secure internships in research laboratories (both in Ireland and internationally) over the summer period between the third and fourth years, so that they can gain valuable research experience. Some students spend all or part of the summer period in US laboratories, again between third and fourth year.

Students who wish to study Human Genetics apply to the Biological and Biomedical Sciences (TR060) and may select Human Genetics as their specialist area for the third and fourth years at the end of the second year.

#### WHAT OUR GRADUATES SAY

##### Ciara McDermott

Studying Human Genetics at Trinity has been very exciting. The course content is based on cutting-edge science, delivered through lectures, tutorials and practical laboratory work, and covers a wide range of subjects from evolutionary genetics to cancer biology, all of which are sure to be useful in the future as genetics remains at the forefront of scientific progress. The professors are very helpful and make the student experience studying human genetics at Trinity incredibly enjoyable.

#### WHAT OUR GRADUATES SAY

##### Emma Ozaki

Human Genetics was an excellent course. As well as dedicated tutorials from the staff in the first and second years of the degree course, there were diverse practical modules in areas such as DNA sequencing and genetic engineering in the later years. We graduated from Human Genetics with a cutting-edge understanding of this exciting and radically changing field with great career opportunities ahead of us.

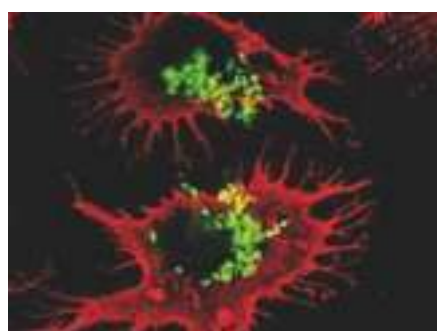


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# Immunology

Students who wish to study immunology apply to the biological and biomedical sciences (TR060) and may select immunology as their specialist area for the third and fourth years at the end of the second year.



## What is Immunology?

Immunology is the study of the immune system. The immune system has evolved to protect our bodies against infection and cancer and involves the co-ordinated activities of specialised cells, molecules and genes to orchestrate an immune response.

Immunology is one of the most rapidly growing research areas in biology and has been shown to have a fundamental role in almost all disease states. Understanding how the immune system works has led to the development of new therapeutics, e.g. antibodies, for the specific treatment of diseases such as rheumatoid arthritis. In addition, we can now harness the immune system such that it can help to fight against infection and cancer. Many pharmaceutical companies have substantial immunology programmes.

## Immunology: The course for you?

If you want to understand how the immune system works, how its failures lead to disease and how we can use our knowledge to design new therapies for infection, cancer and a range of other diseases, this is the course for you. Trinity is not only the leading centre for immunology in Ireland but it is recognised around the world for its high level of research excellence. Graduating with an Immunology degree puts students in an excellent and competitive position for their future career. Immunology is a dynamic and rapidly expanding subject and this degree provides excellent training from world class researchers and lecturers to enable students to successfully pursue a career in immunology.

## Immunology at Trinity

Trinity is currently the only university that offers an undergraduate degree in Immunology in Ireland. Third and fourth year students will be based in the new state of the art Trinity Biomedical Sciences Institute (TBSI) on Pearse Street. Our students have the opportunity to study abroad for third year and there are also some internship opportunities, in Ireland and abroad.

## Graduate skills and career opportunities

Graduates follow a range of different career pathways. Many of our students are recruited into Ph.D. positions either here or abroad in order to pursue a research based career in the university, medical (hospital based research), or industrial sectors. Some of these are specifically within the area of immunology but other students diversify and use their immunology to branch into other areas. Some graduates go straight into lab based positions as immunologists and these can be in academic, hospital or industrial laboratories, e.g. Pfizer. Other students decide to use their scientific background for non-lab based careers, e.g. science communication and journalism, or science outreach. Some graduates have gone into research support positions, while others have gone on to get a business qualification or law qualification to enable them to be competitive in a business/commercial setting.

## Your degree and what you'll study

Students will learn about all aspects of immunology: from the cells and molecules of the immune system and how they carry out their jobs in particular diseases, through to what happens when the immune system goes wrong and actually starts to attack our own bodies, as seen in autoimmune diseases. In order to fully understand the immune system, students will also cover important aspects of biochemistry, genetics and microbiology. One exciting aspect of this degree is that undergraduates experience real research as they undertake a final year Capstone project in a research laboratory in the School of Biochemistry and Immunology.



## Do you enjoy...

Figuring out how your body works?

Understanding how your body can fight against infections and cancer?

Figuring out new ways we can fight disease?

Designing and performing experimental research?



### First and second years

The first two years are part of the Biological and Biomedical Sciences (TR060). Students intending to take Immunology as their final degree take a range of required modules in biology, chemistry, mathematics as well as open modules in other disciplines.

### Third year

Modules cover Immunology, Microbiology, Biochemistry and Genetics with a strong emphasis on practical skills. There is also a mini-review and a data handling project.

### Fourth year

Modules cover advanced topics in immunology and a final year Capstone project that takes place in a research laboratory in the TBSI building. A range of assessment types including continual assessment, annual exam papers and thesis will all be used over the duration of the degree. Currently, 30% of the marks towards your final degree grade come from third year.

### Study abroad

Students can undertake to spend third year abroad. We have links with universities in Glasgow and Marseille. Some students have also studied in the US for their third year and returned here for their final year.



#### WHAT OUR GRADUATES SAY

##### Darren Ruane

My time at the Trinity Biomedical Sciences Institute fostered my love for Immunology and as a result I chose to complete a Ph.D. My research focused on the capacity of dendritic cells, a type of white blood cell, to mediate communication between distinct mucosal compartments. While pursuing my Ph.D. I had the opportunity to conduct my research projects at the Rockefeller University in New York within the lab of 2011 Nobel prize winning scientist Ralph Steinman. After completing my Ph.D., I conducted postdoctoral research at the Icahn School of Medicine at Mt. Sinai in New York. I am also a member of the discovery Immunology group at Genentech in San Francisco investigating the molecular mechanism of lung fibrosis and exploring new therapeutic targets.



## Get in touch

School of Biochemistry and Immunology

[www.tcd.ie/biochemistry](http://www.tcd.ie/biochemistry) | For general enquiries contact: | [E science@tcd.ie](mailto:science@tcd.ie) | [T +353 1 896 2819/2022](tel:+353189628192022)

# Microbiology

Students who wish to study microbiology should apply to the biological and biomedical sciences (TR060) and may select microbiology as their specialist area for the third and fourth years at the end of the second year.



## What is Microbiology?

Microbiology is the study of the structures and life processes of micro-organisms (such as bacteria, protists, fungi and viruses) together with their activities and effects, beneficial and detrimental, on plants, animals, humans and the environment. It also studies the control of these effects and the harnessing of microbial processes for applications in biotechnology. A microbiologist is a versatile scientist and studies microbes at both cellular and molecular levels, using a wide range of techniques, and will also be proficient in microbial biochemistry and genetics.

## Microbiology: The course for you?

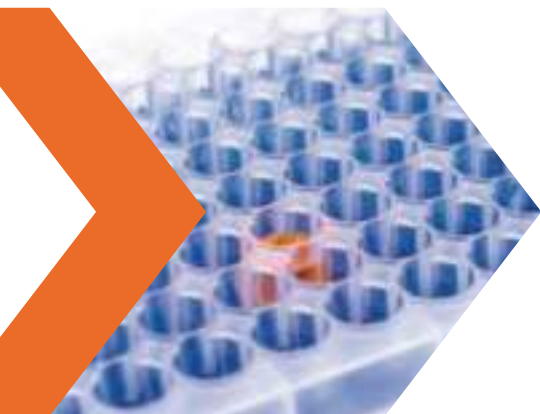
The Microbiology course reflects the diversity of research excellence within the department, which is home to world-renowned experts in all aspects of microbiology including virology, infection biology, biotechnology, bacterial molecular biology and fungal genetics. The Microbiology degree ensures students gain first hand practical experience in the laboratory in all aspects of microbiology.

## Microbiology at Trinity

If you study Microbiology at Trinity you will be based in the historic Moyne Institute. The Microbiology department offers an intimate atmosphere where frequent interaction between staff and students fosters an intellectually stimulating and friendly environment for teaching and learning. To provide the extensive laboratory experience on offer, the Moyne Institute houses state of the art research and teaching laboratories containing all the equipment and expertise required for modern molecular and cellular microbiology.

## Graduate skills and career opportunities

Graduates in microbiology have a wide range of expertise and are considered versatile scientists for industry or pure research. This makes them sought after by pharmaceutical and medical research laboratories as research and quality assurance staff in drug and medical device manufacture, as analytical or Research and Development (R&D) staff by the food and beverage industries, by public utilities, the health service, by teaching and training establishments and publishing houses, in life science sales and product development, medical relief organisations and many other areas. Such employment may find you working with multinational or small companies in Ireland or abroad, working with leading-edge biotechnologies in the production of drugs, enzymes, antibiotics, vaccines or agricultural products. Many graduates go on to do a higher degree in Ireland or abroad and enter a rewarding career in many of the areas mentioned or continue a research career in a university.



## Do you enjoy...

Conducting research?

Doing laboratory work?

Analysing problems and  
formulating solutions?





## Your degree and what you'll study

### Third year

Core modules cover all aspects of modern microbiology and include; microbial physiology and biochemistry, pathogenicity and immunology, bacterial molecular biology and genetics, eukaryotic molecular biology and genetics and applied microbiology. Each module comprises lecture and laboratory components. The extensive laboratory training covers the safe handling of pathogenic microorganisms, separation of their components and products, genetic analysis and biotechnological techniques.

### Fourth year

In the final year, alongside advanced core microbiology modules, you will also choose from optional modules reviewing the leading edge of research and knowledge in topics such as: Gene regulation and expression in bacteria and eukaryotic microbes; Molecular pathogenesis (disease mechanisms) of infectious disease; Regulation, issues and standards in current microbiological practice; Clinical microbiology; Virology; Emerging pathogens.

In the final year, you will also undertake a 9-week, full-time Capstone project under supervision in a research laboratory. You will work at the cutting-edge of research on topics like bacterial and fungal synthetic biology, design of new anti-microbial drugs, viral pathogenicity, immunology, and novel methods for disinfection in hospitals. If you would like more detailed information on all the modules offered, see: [www.tcd.ie/microbiology](http://www.tcd.ie/microbiology)

### WHAT OUR GRADUATES SAY

#### Michael Church

Specialising in Microbiology during my degree was an interesting and rewarding experience. The atmosphere is friendly, and the lecturers were knowledgeable and approachable. Employers appreciate the varied and challenging nature of the course, as it gives students a good grounding in many aspects of the industrially relevant subject of Microbiology. I subsequently undertook a Ph.D. in the Yeast Chromatin Research Group in the School of Microbiology and Genetics and worked as a Technical Support Scientist at Abbott Diagnostics Division in Longford, Ireland. I am currently working as a research scientist at the Stowers Research Institute in Kansas, USA.



### Study Abroad and internship opportunities

For students wishing to study abroad, Microbiology staff can offer advice on how to seek funding for summer vacation placements from external sources such as the Wellcome Trust and the Microbiology Society.



## Get in touch!

[www.tcd.ie/microbiology](http://www.tcd.ie/microbiology) | **E** [geoghegj@tcd.ie](mailto:geoghegj@tcd.ie) | **T** +353 1 896 1190

**T** @microbiologyTCD

# Molecular Medicine

Students who wish to study molecular medicine apply to the biological and biomedical sciences (TR060) and may select molecular medicine as their specialist area for the third and fourth years at the end of the second year. Our students can also avail of internships in various laboratories in the US.



## What is Molecular Medicine?

Molecular medicine is the area of study that explores cutting edge advances in disease diagnosis, therapy and prevention driven by advanced bio-molecular research. The Molecular Medicine course shows how basic science is translated from 'theory to treatment.' Key areas of focus include cancer, neuroscience, genetic diseases, microbiology and immunology. It provides students with a unique perspective on modern-day molecular medicine and an appreciation for the importance of both basic and clinical research in drug discovery, molecular diagnostics and personalised medicine.

## Molecular Medicine: The course for you?

Molecular Medicine is a unique collaboration between the School of Biochemistry and Immunology, Trinity Biomedical Sciences Institute (TBSI) and the Dept. of Clinical Medicine, St. James's Hospital. This is the right course for you if you have an interest in topics such as immunodeficiency, autoimmunity and inflammation, neuroscience, endocrinology, microbial diseases, molecular haematology and oncology, diagnostics and therapeutics, the cell cycle, and cancer.

## Molecular Medicine at Trinity

TBSI is equipped with state-of-the-art technologies and provides a rich research environment for interdisciplinary collaboration with colleagues in medicine, pharmacy, chemistry and neuroscience while the Dept. of Clinical Medicine operates from St James's Hospital and is affiliated with the teaching hospitals of Naas General Hospital and Our Lady's Hospice. In the area of biotechnology and biomedical research, Trinity has prioritised the areas of Immunology and Infection, Cancer, Neuroscience and Genetics – all of which are key components of the Molecular Medicine degree. Immunology at Trinity is externally recognised as an area of major research strength and was recently ranked in the top three nations worldwide (Thomas Reuters, Essential Science Indicators database). In addition, the School of Biochemistry and Immunology at Trinity provides an excellent environment for young investigators to participate in innovative and high impact research. The schools research success is evident in their strong publication record which includes output in high quality journals including Nature.

In addition to highly engaging course material, students will gain experimental skills in a range of cutting edge techniques and technologies through practicals, internships in companies such as Ely Lilly and 12 week laboratory research placements in the final year of the degree. The courses are designed to equip graduates to work in all major aspects of basic and translational research and focuses on development skills relevant to careers in molecular diagnostics and novel therapeutics, including immunotherapies and next generation biologics. The course content has relevance to both academia and the healthcare/pharmaceutical sector therefore former graduates have gone on to study medicine, engage in postgraduate research (Ph.D.; M.Sc.), and pursue careers in industrial and government organisations. Opportunities also exist in hospital and commercial labs as well as in clinical biochemistry, biotechnology, food science, teaching, information systems, communications, and management.

## Graduate skills and career opportunities

Many of our graduates take up a career in industrial, medical or academic research. Some work in hospitals and commercial laboratories dealing with biotechnology, food science, pharmaceuticals or diagnostics. In addition, because they benefit from their training in terms of critical thinking, analytical reasoning and presentation and communication skills, our graduates are in high demand in careers not directly related to biochemistry such as communications, information systems, teaching and management, accountancy.



## Do you enjoy...

Learning how biological systems work?

Understanding the molecular basis of disease?

Carrying out laboratory work?





## Your degree and what you'll study

### First and second years

Students who wish to study Molecular medicine as their final degree (third and fourth year) apply to the biological and biomedical sciences (TR060) and take a range of required modules in biology, chemistry, mathematics as well as open modules in other disciplines.

### Third and fourth years

The courses offered are under constant revision and evolution. Courses are grouped into modules of 5 or 10 ECTS that enable a subject to be dealt with comprehensively and to be set in a wider context. The current third year modules cover topics including Proteins and Drugs; Cell Biology; Disease Mechanisms – Cancer, Inflammation and Metabolic Disease; Nucleic Acids – Gene Expression, Molecular Genetic Mechanisms, Bioanalysis and Research Skills. The fourth year modules cover Neurobiology and Endocrinology; Innate and Adaptive Immunity in Disease; Molecular Haematology and Oncology; Microbial Diseases; Autoimmune and Inflammatory Conditions; Genomics, Metabolism and Disease; Molecular Diagnostics and Therapeutics; Cell Cycle and Cancer; Research Project in Molecular Medicine. As far as possible, practical classes will be related to the concurrent modules. Students are also required to take a Trinity Elective which can, for example, be a language module. Students are assessed throughout the year using various formats including multiple choice exams, assigned essays and quantitative problems. The third year mark (including the mark for Trinity Electives) will contribute 30% to your final degree mark.

## Study Abroad and internship opportunities

The School of Biochemistry and Immunology awards up to two internships at the end of third year. The awards will take the form of salaries for six weeks to work in one of the research laboratories in the School of Biochemistry and Immunology. Our students can also avail of internships in various laboratories in the US (e.g. University of Massachusetts, Boston) and Europe. Pharmaceutical companies have also sponsored a number of summer internships for our third year students. Further information on the year abroad programme, and a list of partner universities, can be found at: [www.tcd.ie/biochemistry](http://www.tcd.ie/biochemistry)

### WHAT OUR GRADUATES SAY

#### Roisin Loftus

My love for Biology in school spurred me to pursue a science-based degree. I entered the Natural Sciences programme in Trinity unsure of where my real passion lay. After two years of general science, covering basic biology, chemistry and math, I decided molecular medicine was the course for me. Molecular medicine is a relatively new degree in Trinity, which covers many aspects of immunology, biochemistry, genetics, neuroscience, microbiology and human health and disease, with a strong clinical focus. A significant portion of our lectures were held in St. James hospital, delivered by medical doctors, which I found honed in the clinical relevance of what we were learning.



## Get in touch!

[www.tcd.ie/biochemistry](http://www.tcd.ie/biochemistry) | **E** james.murray@tcd.ie | **T** +353 1 896 1608

**T** @tcdbi



# Neuroscience

Students who wish to study neuroscience apply to the biological and biomedical sciences (TR060) and may select neuroscience as their specialist area for the third and fourth years at the end of the second year.



## What is Neuroscience?

Neuroscience is the discipline concerned with the scientific study of the nervous system in health and disease. It probes the intricate processes of the nervous system in an attempt to understand how we think, move, perceive, learn and remember. Research in the neurosciences is of considerable importance in medicine, considering the debilitating and costly effects of neurological and psychiatric disease. In this regard, a major goal of modern neuroscience research is to elucidate the underlying causes, and to produce more effective treatments for major brain diseases such as multiple sclerosis, Alzheimer's disease, Parkinson's disease, schizophrenia and depression.

## Neuroscience: The course for you?

Neuroscience is an ideal topic for students who have an interest in how the brain works in health and disease. Additionally, the topic is suited to students who like approaches involving concepts and techniques from a variety of disciplines. The neuroscience degree in Trinity brings together lecturers from diverse backgrounds including psychology, physiology, biochemistry, immunology, pharmacology and genetics to deliver a truly multidisciplinary training. This diversity is also reflected in the range of laboratory projects offered during this degree, which offers students broad horizons after graduation.

## Neuroscience at Trinity

Trinity has a strong research focus in Neuroscience centred around the Institute of Neuroscience (TCIN) with 45 research groups and 250 researchers investigating a variety of topics related to Neuroscience. Trinity neuroscientists are well respected by the neuroscience community worldwide and regularly present at international meetings and in high impact publications. This breadth of research expertise is the driver for excellence in teaching across a range of disciplines within this degree. There is a lively research community within TCIN, including undergraduate and graduate students, postdoctoral fellows and principal investigators. The interdisciplinary

character of TCIN allows for fruitful interactions between scientists of various backgrounds and this community regularly meets at seminars and social events to discuss the latest news in the field and beyond.

## Graduate skills and career opportunities

Graduates in Neuroscience can expect to find employment in a wide range of areas, utilising their general scientific training as well as their specialist skills. In the past Neuroscience graduates have pursued careers in academic, government, pharmaceutical, biotechnology or medical research organisations. Some graduates study for higher degrees in neuroscience, biological or psychological research, medicine or allied health-related disciplines. For those not seeking a research or medical career, the course provides transferable experience and expertise that is suitable for a wide variety of careers, e.g. in education, business, management and industry.

## Your degree and what you'll study

Neuroscience links neurobiology with cognitive science and, as a result, modules in multiple disciplines (Anatomy, Biochemistry and Immunology, Genetics, Pharmacology, Physiology, Psychology and Zoology) are provided. The course involves in-depth instruction in the fundamentals of modern molecular and cellular biology, as well as in the structure and operation of the nervous system. Other modules focus on the development of the nervous system, its response to injury and disease, the relationship of the brain to behaviour, imaging the brain, and the drug treatment of brain disorders. You will also be trained in scientific methodology and experimental design, data handling and research skills.

## Do you enjoy...

Finding out how the brain achieves simple and complex actions?

Analysing evidence and developing your own hypotheses?

Performing experiments in the laboratory?





### Third year

The third year will cover core topics in Neuroscience including: Neuroanatomy and Development, Systems, Behavioural and Cognitive Neuroscience, Neurophysiology, Neurochemistry, Neuropharmacology, Neurogenetics and Molecular Neuroscience as well as research skills, basic laboratory skills for Neurobiology and a Trinity Elective.

### Assessment

Some modules are assessed by examination; however some modules are assessed entirely by in-course assessment and some are assessed by a combination of in-course assessment and examination. Written examinations are part of the final year exams. Third year Neuroscience results constitute 30% of the final Moderatorship result.

### Fourth year

The final year will examine some more specialised areas of Neuroscience and examine others at a more advanced level. Topics will include Neuropsychology, Neurochemistry, Neuropharmacology, Developmental genetics, Neuroimmunology and Neurodegeneration, Neuropsychiatric Genetics and Clinical Neurosciences. There will be a focus on scientific literature skills with a literature review and journal clubs and students will also carry out a major Capstone research project in one of the many research groups in the schools that contribute to the Neuroscience degree.



### WHAT OUR GRADUATES SAY

#### Martina Hughes

I specialised in Neuroscience as I wished to gain an in-depth knowledge of the workings of the brain in both health and disease. A wide variety of topics were covered and I particularly enjoyed the neuroanatomy practicals and the lectures focusing on neuropharmacology, neuroimmunology, neuroinflammation and neurogenetics. On completion of my degree, I undertook a Ph.D. in the Neuroimmunology research group in Trinity College Institute of Neuroscience. I am currently working as a post-doctoral researcher in King's College London, investigating the role of inflammation in Alzheimer's disease.

### Assessment

Modules are assessed by continual assessment based on written assignments, oral presentations and literature reviews and written examinations. The Capstone research project is graded according to student performance in the laboratory and their dissertation.

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

### Study abroad and internship opportunities

Students may arrange to study abroad during their third year following discussion with staff. Students are also facilitated in seeking internships, in Ireland or abroad, during the summer and some opportunities exist for research laboratory placements within the university.



### WHAT OUR GRADUATES SAY

#### Iannis Barron

When I started university, all I knew was that I was interested in Science and curious about why people do what they do. So when it was time to choose a moderatorship, neuroscience was my obvious favourite. I have loved the course so far; although it is broad (because of all the aspects there are to cover), it is entirely focused on understanding how the brain works and so, how we function. Whether it is understanding how the brain develops from birth, how drugs affect brain function or even why we see the colours we see, the complexity of the brain is apparent.



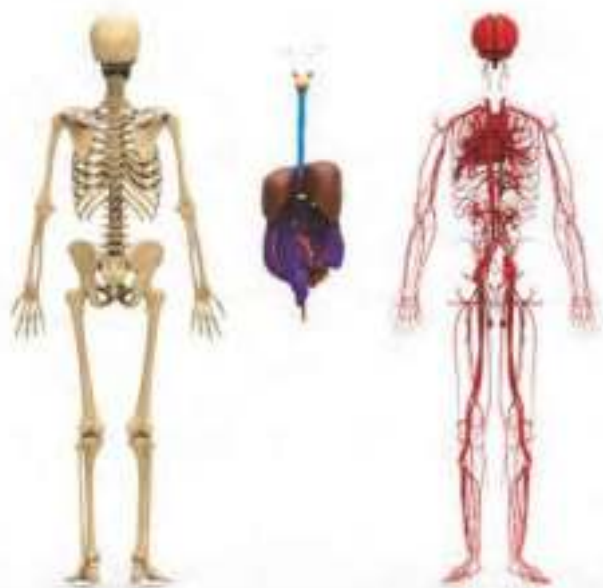
## Get in touch!

[www.tcd.ie/biochemistry/undergraduate/neuroscience](http://www.tcd.ie/biochemistry/undergraduate/neuroscience) | [E neuroscience.degree@tcd.ie](mailto:neuroscience.degree@tcd.ie)

Course Administrator: Gabrielle McCabe | [T +353 1 896 4195](tel:+35318964195)

# Physiology

Students who wish to study physiology apply to the biological and biomedical sciences stream (TR060) and may select physiology as their specialist area for the third and fourth years at the end of the second year.



## What is Physiology?

Physiology is the study of life – it is the science of how cells work, how they cooperate in organs like the heart or brain and how these organs function together in the body as a whole. Knowing how the body works is essential for understanding how it goes wrong in sickness and disease, therefore physiology is the scientific basis of human and animal medicine.

## Physiology: The course for you?

In the Physiology Department at Trinity we focus on human physiology and how it is affected by disease, although you will study other animal species in some modules. We study every aspect of the human body, from the function of individual proteins in cells, to the function of the different body systems such as the cardiovascular, respiratory and nervous systems, all the way through to the integrated, whole body level. Physiology continues to be at the forefront of research in biomedical science, because there are still so many things about the functioning of the human body that remain unknown. If we know more about our physiology we can use this knowledge to develop better treatments for various diseases. As a student of physiology you will be provided with a detailed understanding of a range of cell and organ systems, and will receive training in scientific methodology, experimental design, data analysis and research skills.

## Physiology at Trinity

The Physiology Department is part of the School of Medicine and has strong teaching and research links with other disciplines in the school, such as physiotherapy and clinical medicine, and with other schools in the Faculty of Engineering, Mathematics and Science. All of our lecturers run research laboratories and the major strengths of the department are in neuroscience, cell biology and exercise physiology. In Trinity, we recognise the vital importance of laboratory teaching. We encourage every student who enters the teaching laboratory to consider himself or herself as a research scientist from day one. This research training culminates in the individual Capstone research project each student carries out in the final year. We train students to design experiments that may help to solve some of the mysteries that remain about the function of the human body. We teach them how to make accurate measurements, how to generate data, how to analyse those data and how to draw conclusions based on the data. Using this hands-on approach, they gain a much deeper knowledge of the subject of physiology.

### WHAT OUR CURRENT STUDENTS SAY

#### Cian O'Connor

The course is great in so far as it provides such an integrative approach to studying how the entire body works, what can go wrong and how we can fix it by learning from the forefront of cutting edge research.

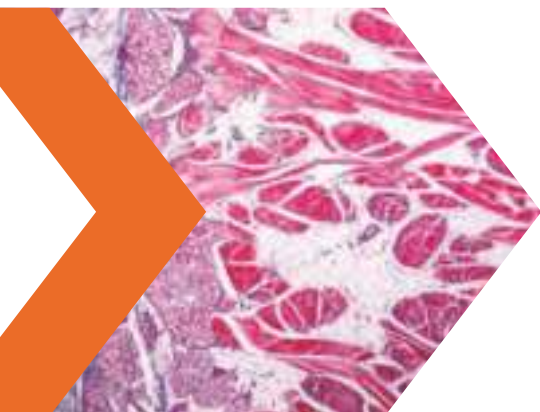
## Graduate skills and career opportunities

When you graduate you will be able to use your general scientific training and specialised knowledge of physiology to find employment in a wide variety of jobs. You may pursue further training in physiology and become a research scientist in a hospital, the pharmaceutical industry, a government agency or a university. Some graduates undertake further study in health-related fields such as medicine or physiotherapy.

## Your degree and what you'll study

### Third year

Nerve, Muscle and Sensation; Cell and Tissue Structure; Gut, Metabolism and Hormones; Seminars in Pharmacological and Physiological Research; Physiology of Brain; Nerve and Muscle Fluids; Heat and Metabolism; Cardiovascular Physiology; Respiratory Physiology; Journal Club; Research Skills.



## Do you enjoy...

Studying how the body works?

Investigating the functional changes that underlie illness and disease?

Carrying out research and laboratory work?







#### Fourth year

Synaptic Properties; Biomechanics and Neural Control of Movement; Cellular Neurophysiology; Techniques in Cellular Physiology; Integrative Physiology.

During the second half of fourth year you will undertake an individual Capstone research project. This project will be based in Trinity or in one of its associated hospital departments and will include a literature survey and production of a written dissertation. Some typical recent research projects have looked at the toxic effects of cannabis on brain cells, gastric motility in patients with pancreatitis, respiratory function in lung disease, the cellular mechanisms of memory formation, cardiovascular adaptations in athletes and muscle performance after different warm-up protocols.

#### Research internship opportunities

Our students have gained Wellcome Trust Biomedical Vacation Scholarships and Health Research Board Summer Student Scholarships to work in research laboratories between their third and fourth year.

#### Study Abroad and internship opportunities

Many of our students undertake research internships in Trinity or other universities during the summer vacation.

#### WHAT OUR CURRENT STUDENTS SAY

##### Philip O'Gorman

I enjoy physiology because it provides me with the understanding about the countless, interesting ways the human body functions.

#### WHAT OUR GRADUATES SAY

##### Sinead Smith

Choosing physiology as my speciality through Science was the best decision I made. The course is very well organised and the small class size gives students the opportunity to work together. I felt so much support during my two years in Physiology; the department staff are very friendly and the lecturers are very approachable. The course structure and content give students an excellent range of both theory-led and practical-based learning opportunities. It helped me to develop a standard of learning to perform at master's level. I am now in the final year of my M.Sc. in physiotherapy.



#### Get in touch!

[www.tcd.ie/medicine/physiology](http://www.tcd.ie/medicine/physiology) | [E physiology@tcd.ie](mailto:physiology@tcd.ie) | [T +353 1 896 2723](tel:+35318962723)

[@ThePhySoc](https://twitter.com/ThePhySoc)

# Zoology

Students who wish to study zoology apply to the biological and biomedical sciences stream (TR060) and may select zoology as their specialist area for the third and fourth years at the end of the second year.



## What is Zoology?

Zoology is the study of living animals and their relationship with their environment. As the need for an understanding of complex biosystems increases, integration is required across all levels of biological organisation – from molecules to the biosphere – and the diversity of species – from single-celled to multicellular organisms. Modern Zoology naturally provides this integration, and our programme offers modules and choices that focus upon important themes of environmental and medical/veterinary biology.

## Zoology: The course for you?

With the key focus of zoology being the study of whole organisms, it is a course that touches on nearly all aspects of the biology programme including molecular, cellular, behavioural, parasitological, ecological and environmental aspects of animals. The central narrative to our programme is understanding the evolution and diversity of animals using a variety of approaches such as genetics, microscopy, experiments and field observations. The Zoology course is designed, not only to provide specific knowledge about key areas of animal biology, but also to encourage critical thinking and the development of numeracy and literacy, as well as the exploitation of sources of scientific data.

This broad and transferable skill set provides a solid scientific framework from which to think creatively and explore the natural world and its interactions with human society. Throughout the course there is a strong emphasis on 'hands-on' aspects, with a high laboratory component, use of museum material and a choice of local and international field trips.

## Zoology at Trinity

Zoology is the study of the form and function of animals in the broadest senses of those words. It considers the many roles of animals within the natural world. The Department believes in the principle of 'research-led

teaching' and has a diverse array of active researchers addressing a wide range of Zoological questions, broadly separated into organismal biology and molecular/cellular biology. Our investigation and teaching of these subjects uses innovative techniques and methodologies such as immunology, stable isotopes, genetics, analytical chemistry, proteomics and numerical computation. In particular, our strengths lie in ecosystem ecology and biodiversity, evolution of behaviour, comparative anatomy and physiology and developmental biology.

## Graduate skills and career opportunities

Many graduates of Zoology are currently pursuing academic and research careers in Ireland and overseas – our network of research alumni can be found on every continent! Many others have been employed within the agriculture and fisheries sector (Teagasc, BIM and Inland Fisheries Ireland), the environment and wildlife services (EPA, National Parks and Wildlife Service, National Biodiversity Data Centre and various Local Authorities) and with international agencies (FAO, IUCN, WBCSD, etc.). Trinity Zoology graduates have furthermore taken up wildlife and environmental publishing, film-making and other careers in the media, software development, second and third-level teaching, medicine, veterinary, museum and tourism work, environmental lobbying with national and international NGOs, environmental and wildlife consultancy, fish farming and – yes – we even have graduates who work in zoos!



## Do you enjoy...

Exploring the living world,  
from cells to ecosystems?

Making new discoveries about  
the world around us?

Seeking solutions to global  
challenges to the environment  
and human well-being?





## Your degree and what you'll study

Students who wish to study Zoology apply to the Biological and Biomedical Sciences (TR060) and may select Zoology as their specialist area for the third and fourth years. In third and fourth year, the course highlights the major concerns of modern zoology in relation to environmental and medical biology, and introduces you to cell biological and other analytical techniques, fieldwork and computer-aided data handling and processing. Modules taken cover topics such as animal diversity, comparative physiology, ecology, marine biology (including a field trip) and terrestrial ecology (including a fieldtrip). In addition, there are a range of more specialised optional modules which may be selected in the areas of environmental or medical zoology such as genetics, behaviour, developmental biology, entomology and parasitology. A major component of the fourth year is an individual Capstone research project. In previous years such projects have looked at parasites in humans and animals, behaviour of badgers, deep sea fisheries and the impacts of climate change on biodiversity and the environment, to name but a few.

### WHAT OUR GRADUATES SAY

#### Lauren Redmond

A keen interest in the natural world, conservation and evolution led me to pursue a degree in Zoology. The course has not disappointed. Field trips to Northern Ireland, Glendalough and Kenya have been the highlight of this degree for me. Not only do they provide a stimulating and exciting way in which to learn, you get to know your classmates and lecturers on a personal level and feel welcomed into the department. Combined with lectures from committed staff, who are leading experts in their fields worldwide, I have gained a thorough knowledge which I can take with me into future careers.



## Get in touch

School of Natural Sciences

[www.tcd.ie/naturalscience](http://www.tcd.ie/naturalscience) | [www.tcd.ie/zoology](http://www.tcd.ie/zoology) | [E fimolony@tcd.ie](mailto:fimolony@tcd.ie) | [T +353 1 896 1366](tel:+35318961366)



# TR061 Chemical Sciences

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR061	498	72	4 years



Chemistry is a creative and central science, dealing with challenges that span the physical and life sciences. It is found and used everywhere from the creation of new materials and processes through to advancements in medical health and diagnosis of disease.

A chemistry-based qualification provides students with the relevant skills and knowledge to open doors in research, medicine, education, industry, finance, consultancy and more.

As well as practical knowledge of the subject, chemistry students develop many other transferable skills that are valued by both employers and the wider community. These range from critical thinking and problem-solving to communication and creativity. Nobody knows what the jobs of the future will look like, but chemists will be needed to

tackle problems in human health, sustainable energy, technology, food management and the environment. Academics at the School of Chemistry are at the forefront of cutting-edge research and are contributing to ground-breaking advances that benefit society. These include nanotechnology, drug-delivery, energy storage and computational modelling.

## Structure of the Chemical Sciences (TR061) programme

In the Chemical Sciences Stream students will study the core concepts that are fundamental to all of chemistry including topics in physical, organic and inorganic chemistry. Students will receive a strong grounding in mathematics and will be able to expand their scientific knowledge and to pursue their individual interests by choosing from a cohort of approved and elective modules on topics such as physics,

chemical biology, and history and philosophy of science. In the third year, students specialise in one of the five moderatorships offered in this stream: Chemistry, Chemistry with Biosciences, Chemistry with Molecular Modelling, Medicinal Chemistry and Nanoscience (the physics and chemistry of advanced materials). Small group teaching from academic experts who are actively researching in these subjects creates an exciting teaching and research-led environment where current state-of-the-art research is discussed together with fundamental concepts.

Students can also experience the wide range of knowledge and investigation available throughout the university by choosing an elective module from a selection that highlights major research themes from across all faculties. In the fourth year students choose from a selection of modules on advanced topics within their discipline. They will also undertake a Capstone research project in Trinity or in a research laboratory in another university, research institute or industry partner.

This offers students the opportunity to gain international experience, giving them the choice to pursue their final year Capstone research project abroad. If you want to understand the workings of the world around you, then chemistry is for you!

### WHAT OUR CURRENT STUDENTS SAY

#### Thomas O'Neill

TR061 allows us to expand our knowledge beyond chemistry into other fields of STEM whilst keeping the balance of chemistry as well and putting more emphasis on chemistry rather than a general Science degree.



Students who wish to specialise in one of the following subjects in third and fourth years (Chemistry, Chemistry with Biosciences, Chemistry with Molecular Modelling, Medicinal Chemistry or Nanoscience) should choose the Chemical Sciences stream (TR061). Students who wish to specialise in Nanoscience can also enter the Physical Sciences stream (TR063).



		1st Year	2nd Year	3rd and 4th Year	
TR060	<b>Biological and Biomedical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Botany</li> <li>Environmental Science</li> <li>Genetics</li> <li>Human Genetics</li> <li>Immunology</li> <li>Microbiology</li> <li>Molecular Medicine</li> <li>Neuroscience</li> <li>Physiology</li> <li>Zoology</li> </ul>	Quota 235
TR061	<b>Chemical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Chemistry</li> <li>Chemistry with Biosciences</li> <li>Chemistry with Molecular Modelling</li> <li>Medicinal Chemistry</li> <li>Nanoscience</li> </ul>	Quota 72
TR062	<b>Geography and Geoscience Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Geography</li> <li>Geoscience</li> </ul>	Quota 54
TR063	<b>Physical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Nanoscience</li> <li>Physics</li> <li>Physics and Astrophysics</li> </ul>	Quota 52

# Chemistry

Students who wish to study chemistry apply to the chemical sciences stream (TR061) and at the end of the second year may select chemistry as their specialist area for the third and fourth years.



## Chemistry at Trinity

The School of Chemistry at Trinity is ranked number 1 in Ireland and in the top 100 worldwide (QS World University Rankings by Subject 2019). Our chemistry degree is designed to provide you with the practical and analytical skills needed for a career in research and industry. Many of the School's academic staff carry out research at the cutting edge of their fields in areas as diverse as nanoscience, energy and drug design. In fourth year, you will have the opportunity to undertake a significant Capstone research project either in the School or abroad at one of the many third level/research institutes with which the School has agreements.

## What is Chemistry?

Chemistry is a creative science that is used to develop everything from new materials for superconductors and new batteries, to new drug molecules for the pharmaceutical industry. Without it, many modern science disciplines, such as materials science, molecular biology and environmental science, would not be possible.

## Chemistry: The course for you?

If you are strong in science, if you enjoy laboratory experiments and want to work in industry or research after university, and if you are innovative, creative and logical then you will be well suited to this course.

## Graduate skills and career opportunities

A chemistry degree combines specialist practical training with analytical, problem solving and presentation skills and is excellent preparation for graduates considering a diverse range of career paths. Trinity's chemistry graduates are highly sought after by the chemical and pharmaceutical industries and graduates have worked in companies such as Henkel, Pfizer, GlaxoSmithKline, Johnson & Johnson, and Bristol-Myers Squibb. Patent offices, government advisory and information services, food science, public analytical laboratories, schools and third-level institutes also employ our chemists. Our graduates can

also pursue postgraduate degrees either in the School of Chemistry or in other world-class research institutes. Historically, chemistry graduates have been in demand in a wide range of non-scientific fields including the financial sector.

### WHAT OUR GRADUATES SAY

#### Patrick Hull

I graduated with a degree in chemistry. My final year research project involved exploring new materials for clean energy production. This first-hand experience gave me a real insight into the process involved in preparing research for publication and provided me with the spark to embark on my future career. After graduation, I started as a publishing editor with the Royal Society of Chemistry, working on the production and publication of cutting-edge chemistry research journals. My job involves technical editing and proof reading of manuscripts. My undergraduate degree at Trinity placed a strong emphasis on critical thinking and problem-solving, something that has really prepared me for my role.



## Do you enjoy...

Finding out how things work?

Carrying out laboratory experiments?

Analysing results and coming up with a theory?





### Your degree and what you'll study

Following foundation- and core-level modules in first and second year chosen from a number of science subjects (e.g. physics or biology) along with chemistry and mathematics, you will expand your knowledge of chemistry in third and fourth year, taking more advanced modules in organic, inorganic and physical chemistry. In fourth year, you will carry out a Capstone research project, either in one of the research labs in Trinity or abroad. Graduates often cite this as the most memorable and rewarding part of their undergraduate degree. You will have the opportunity to study the fundamentals of modern chemistry, whilst developing your interests in specific topics such as bio-inorganic/organic chemistry, solid-state materials, interfacial and environmental chemistry.

For more details on the modules and the overall course structure required for each moderatorship offered by the School, please visit: [www.chemistry.tcd.ie/study](http://www.chemistry.tcd.ie/study)

### Study abroad and internship opportunities

The School of Chemistry has exchange agreements with a large number of universities and research institutes where students may carry out their final year Capstone research projects, in places such as Vienna, Berlin, Bologna, Toulouse, and Utrecht, North America and Australia. A limited number of places are also available in China. The areas of research are wide-ranging, including cancer chemotherapy and DNA chemistry, device fabrication and materials processing, homogeneous catalysis, supramolecular chemistry and computational chemistry. Between third and fourth year, some students also take a year-long internship in a pharmaceutical company to enhance their knowledge of chemistry and their practical skills.



#### WHAT OUR GRADUATES SAY

##### Eva-Maria Dürr

In school, I always enjoyed chemistry and wanted to study it at university. But I felt like I didn't know enough about other sciences to commit to chemistry yet, so the general science course in Trinity was perfect for me. Studying in a world-class university and being taught by brilliant researchers has been a fantastic experience and after two years of general science, I knew for certain that I wanted to do chemistry. Chemistry to me means trying to understand the world at a very detailed level and apply that knowledge, for example in drugs or new materials. I love how complex phenomena can be understood at a molecular level and being a chemist has definitely changed my outlook on the world.



### Get in touch!

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@TCD\_Chemistry

# Chemistry with Biosciences

Students who wish to study chemistry with biosciences apply to the chemical sciences stream (TR061) and at the end of second year may select chemistry with biosciences as their specialist area for their third and fourth year.



## What is Chemistry with Biosciences?

Chemistry with Biosciences is designed to produce graduates who are prepared to work at the interface of chemistry and biology, addressing global issues in chemical and life science such as drug development and safety, biomedicine, biotechnology and clinical operations.

## Graduate skills and career opportunities

As with graduates in other branches of chemistry, the skills acquired during this course will make you highly attractive to employers in a wide variety of areas. Graduates can contribute to research developments across the healthcare, pharmaceutical, biotechnology and the food processing sectors. This degree will also prepare you to work in education, science communication, business, data analysis and administration.

Our Chemistry with Biosciences degree would serve as an excellent primary degree for a graduate course in health science such as medicine or physiotherapy. Our graduates can also pursue postgraduate degrees either in the School of Chemistry or in other world-class research institutions.

## Your degree and what you'll study

You will study foundation courses in chemistry, biology, maths and foundation physics in the first two years.

### Third and fourth year

In third year, the course will branch off into relevant chemistry and biology modules allowing you to develop a unique perspective on issues directly affecting chemical and bioscience research.

Your third and fourth year modules will cover core chemistry principles in organic, inorganic and physical as well as the following biological modules:

- From Organisms to Ecosystems
- Protein Structure
- Nucleic Acids
- Biochemistry in Health and Disease

Lectures are complemented by laboratory experiments, where you will gain experience in more sophisticated preparative chemical and biological techniques.

Practical work in the final year will consist of a Capstone project. This may be carried out either in Trinity under the supervision of a member of staff, in a chemistry department at an overseas university, or in a commercial laboratory.

For more details on the modules and the overall course structure required for each moderatorship offered by the School, please visit: [www.tcd.ie/chemistry](http://www.tcd.ie/chemistry)

## Study abroad and internship opportunities

The School of Chemistry has exchange agreements with a large number of universities and research institutions where Chemistry with Biosciences students carry out their final year Capstone research projects from September to December. To date, arrangements have been made for students in European universities such as Regensburg, Madrid, Liverpool, Copenhagen, Montpellier and Bologna. Study further afield in Canada and the USA is also possible.



## Do you enjoy...

Finding out how things work?

Carrying out laboratory experiments?

Analysing problems and finding solutions?



## Get in touch!

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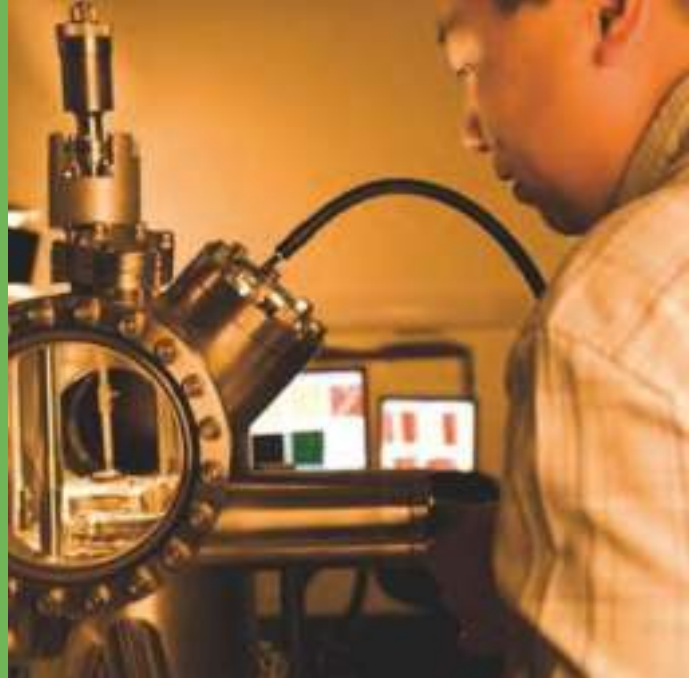
Twitter @TCD\_Chemistry





# Chemistry with Molecular Modelling

Students who wish to study chemistry with molecular modelling apply to the chemical sciences stream (TR061) and at the end of the second year may select chemistry with molecular modelling as their specialist area for the third and fourth years.



## What is Chemistry with Molecular Modelling?

Chemistry with molecular modelling is a chemistry-based creative-science course that is used to develop everything from new materials such as superconductors for new batteries, to new drug molecules for the pharmaceutical industry. Without it, many modern science disciplines such as materials science, molecular biology and environmental science would not be possible. Chemistry with molecular modelling embeds computer-modelling techniques and how they can be applied to understand and explore chemistry. Advancements in molecular modelling have led to an explosive growth in a range of applications. The modelling aspects of this course focus on modelling the structure and reactivity of molecules and solids including:

- › The simulation of the structure and properties of materials and nano-materials, including oxides, semiconductors and catalysts
- › Modelling of how electrons are arranged in materials and how they behave during chemical reactions
- › Modelling organic and bio-organic molecules, including DNA, proteins, drug molecules and computational drug design
- › The theory and implementation of different approaches to modelling materials

## Chemistry with Molecular Modelling: The course for you?

The course will suit you well if you have an interest in science and chemistry in particular, have a logical and inquisitive mind and want to work in industry or research after university.

## Chemistry with Molecular Modelling at Trinity

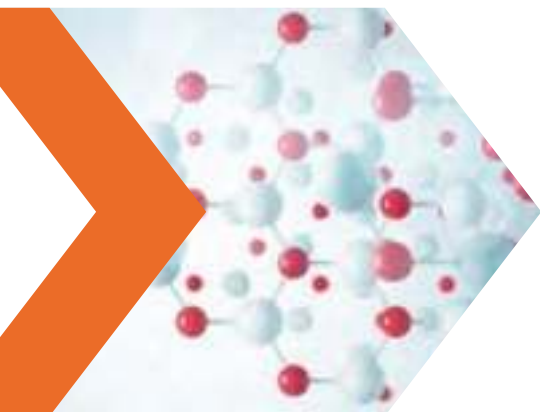
This degree is designed to train our students with the creative talent and skills required for research and industry. The course provides a broad base in organic, inorganic and physical chemistry so that our graduates have a wide selection of career prospects. This degree also provides students with the unique opportunity to study the fundamentals of modern chemistry, whilst developing computer/IT skills and applying computer-modelling techniques to explore chemical problems.

## Graduate skills and career opportunities

A chemistry degree combines specialist practical training with analytical, problem solving and presentation skills and is excellent preparation for graduates considering a diverse range of career paths. Our graduates can pursue postgraduate degrees either in the School of Chemistry or in other world-class research institutions. Trinity's chemistry graduates are highly sought after by the chemical and pharmaceutical industries, which contribute some 20% to Ireland's exports.

Former Trinity Chemistry graduates are working in companies such as Henkel, Pfizer, Allergan, GlaxoSmithKline and Bristol-Myers Squibb. Patent offices, government advisory and information services, food science, public analytical laboratories, schools and third level institutions also employ our chemists.

Other successful routes our graduates have taken in the past include careers in business and the financial services sectors and in management. In addition, the specially developed computational skills make graduates an attractive prospect for employers both within computing environments and in other professions. Examples of industries where people are employed directly in scientific computing/modelling include: pharmaceutical (computational drug design), chemical (developing catalysts), materials chemistry (semi-conductors/magnetic materials), financial services and meteorology.



Do you enjoy...

Being creative?

Finding out how things work?

Working with computers?



### Your degree and what you'll study

The course is based on the Chemistry degree with core components of chemistry (inorganic, organic and physical) taken alongside special molecular-modelling modules, practical work and project work. You will be assessed by a combination of continuous assessments and examinations.

#### First and second years

You will study foundation courses in chemistry and mathematics and in either biology or physics.

#### Third and fourth years

In the third and fourth years you will take core modules in chemistry with additional modules in molecular modelling to include general molecular modelling, quantum mechanics, optimisation, modelling protein structure, drug design, molecular dynamics, and modelling in solid-state materials chemistry.

Lectures are complemented by laboratory classes where you will gain experience in more sophisticated preparative chemical techniques and spectroscopic analysis. About one third of your laboratory class time will be spent in computer laboratories performing computational experiments using molecular modelling.

As a fourth-year student you will undertake a Capstone research project, typically from September to December. This may be done in Trinity or in an academic or research laboratory abroad. This is complemented by lectures covering fundamental material in organic, inorganic and physical chemistry. In addition, an extensive range of optional courses are also offered that allow each student to develop her/his own particular interests.

For more details on the modules and the overall course structure required for each moderatorship offered by the School, please visit: [www.chemistry.tcd.ie/study](http://www.chemistry.tcd.ie/study)

### Study abroad and internship opportunities

The School of Chemistry has exchange agreements with a large number of universities and research institutes where students may carry out their fourth-year Capstone project, in places such as Vienna, Berlin, Bologna, Toulouse, and Utrecht, North America and Australia. A limited number of places are also available in China. The areas of research are wide-ranging, including cancer chemotherapy and DNA chemistry, device fabrication and materials processing, homogeneous catalysis, supramolecular chemistry and computational chemistry.



#### WHAT OUR GRADUATES SAY

##### Andrew Bathe

Since attending the Trinity open day I knew their degree in chemistry with molecular modelling was for me. Not only does no other university in Ireland offer a direct route to the field of computational chemistry but Trinity is unmatched in terms of reputation and the resources it has available. The degree itself, which combines general chemistry with modelling and simulation techniques, has allowed me to develop a vast array of skills in both a traditional lab environment and at the computer! So now in the final year of my degree I feel confident that the skills I have learned will have me well prepared in my future academic or professional career.



### Get in touch!

[www.tcd.ie/chemistry](http://www.tcd.ie/chemistry) | Contact: Prof. Graeme Watson | [E watsong@tcd.ie](mailto:watsong@tcd.ie) | [T +353 1 896 1357](tel:+35318961357)

# Medicinal Chemistry

Students who wish to study medicinal chemistry apply to the chemical sciences stream (TR061) and at the end of second year may select medicinal chemistry as their specialist area for the third and fourth years.



## What is Medicinal Chemistry?

Medicinal chemists are the creative talent behind the modern pharmaceutical industry. As well as being expert chemists, they have extensive knowledge of molecular design, drug synthesis and the biological function of drugs.

## Medicinal Chemistry: The course for you?

Yes, if your dream is to design and prepare new drugs, if you want to understand the biological mechanisms by which they operate, if you have a natural flair for chemistry and are interested in developing the skills and expert knowledge relevant to the pharmaceutical industry.

## Graduate skills and career opportunities

As with graduates in other branches of chemistry, the skills acquired during this degree programme will make you highly attractive to employers in a wide variety of areas. In addition to the pharmaceutical industry itself, business, finance, administration and teaching are all possibilities that are open to you as a medicinal chemistry graduate. Former graduates of this course are working in companies such as Pfizer, Abbott, GlaxoSmithKline, MSD (Merck & Co.) and Novartis.

Medicinal chemistry would serve as an excellent primary degree for a graduate course in medicine. Our graduates can also pursue postgraduate degrees either in the School of Chemistry or in other world-class research institutions.



## Your degree and what you'll study

You will study foundation courses in chemistry, biology and mathematics in the first two years.

### Third year

In third year, the course will branch off into more specialised aspects of medicinal chemistry, although there will be considerable overlap with the Chemistry degree. This overlap is primarily in organic chemistry; less emphasis will be placed on physical and inorganic chemistry in order to allow for the delivery of medicinal-chemistry modules.

Your specialised medicinal chemistry modules will include:

- Basic Principles of Medicinal Chemistry
- Biochemistry (Protein Structure and Function)
- The Autonomic Nervous System
- The Fundamentals of Computational Drug Design
- Anti-Viral and Anti-Cancer Agents
- Anti-Microbial and Anti-Infective Agents (compounds that can combat the microorganisms that cause disease)
- Anti-Malarial Chemistry (study of the development of drugs in this area)
- Steroid Drugs (study of drugs based on the steroid skeleton)
- Industrial Medicinal Chemistry

Lectures are complemented by laboratory experiments, where you will gain experience in more sophisticated preparative chemical techniques and will also be able to carry out your own spectroscopic analyses and computer-based modelling.



## Do you enjoy...

Finding out how things work?

Carrying out laboratory experiments?

Analysing problems and finding solutions?





#### Fourth year

In fourth year, in addition to core chemistry modules, you will cover the medicinal chemistry of the cardiovascular and central nervous systems, combinatorial chemistry and drug delivery, as well as computational medicinal chemistry and modern analytical methods. Case studies in medicinal chemistry (focusing on specific diseases or drug types) will also feature in your programme.

Practical work in the final year will consist of a Capstone project. This may be carried out either in Trinity under the supervision of a member of staff, in a chemistry department at an overseas university, or in a commercial laboratory.

For more details on the modules and the overall course structure required for each moderatorship offered by the School, please visit: [www.chemistry.tcd.ie/study](http://www.chemistry.tcd.ie/study)

#### Study abroad and internship opportunities

The School of Chemistry has exchange agreements with a large number of universities and research institutions where Medicinal Chemistry students carry out their final year Capstone research projects from September to December. To date, arrangements have been made for students in European universities such as Regensburg, Madrid, Liverpool, Copenhagen, Montpellier and Bologna. Study further afield in Canada and the USA is also possible. Between third and fourth year, a small number of high-calibre students participate in a year-long paid internship in a pharmaceutical company to enhance their knowledge of medicinal chemistry and their practical skills.

#### WHAT OUR GRADUATES SAY

##### Simon Smith

As a Ph.D. student in synthetic organic chemistry, I was very fortunate to have chosen Medicinal Chemistry as my undergraduate degree. As the interface between chemistry and biology, the Medicinal Chemistry programme offers its students a unique opportunity to acquire the skillset necessary to bridge the void that sometimes exists with the two disciplines. Throughout my studies, I have been able to offer valuable academic contributions to the teams I have worked with, even in disparate subject areas; everything from bioinformatics to DNA photo-physics and materials chemistry we, as medicinal chemists, have highly desirable problem-solving skills.

I take forward my knowledge of advanced synthetic organic chemistry, in addition to a thorough understanding of how chemicals have the propensity to interact with biological systems into my Ph.D. career. The mindset I have from my undergraduate has continued to influence my decisions in the development of metal-free, biomimetic catalysts. I would thoroughly recommend to those who seek a career in any form of pharmaceutical or synthetic chemistry to consider this highly rewarding degree programme, as the range of career opportunities and skills that it proffers are far from limited at a post-degree level.

#### WHAT OUR GRADUATES SAY

##### Deirdre McAdams

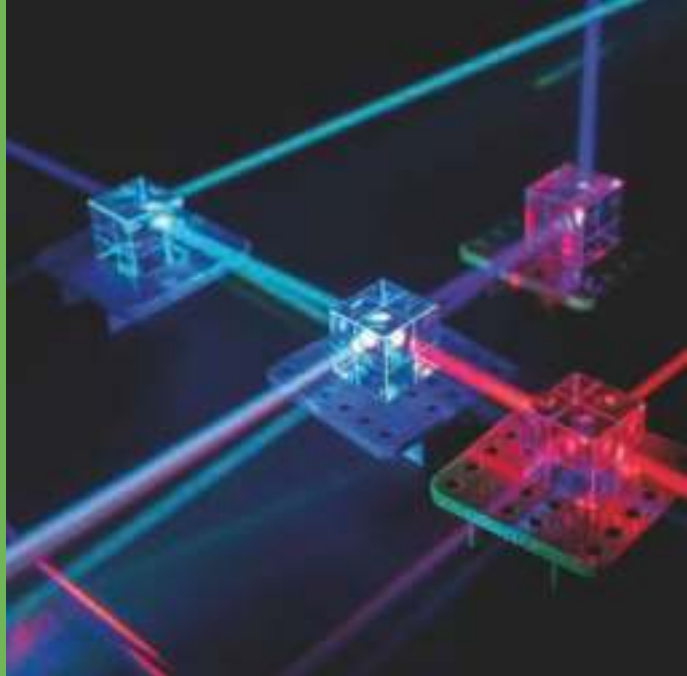
Having left school, I knew I wanted to pursue a career in chemistry. I was particularly interested in the pharmaceutical industry and drug research, but more specifically, the underlying chemistry behind them. Medicinal chemistry covers both these areas. It trains students to analyse, understand and develop concepts within the pharmaceutical sector. Medicinal chemistry students obtain an excellent understanding of the organic chemistry processes involved in designing and developing potential new pharmaceutical agents, while also gaining an exceptional knowledge of how these compounds operate biologically. The interface between the two areas of biology and chemistry is what initially drew me to this degree course and is also what has kept me motivated and inspired throughout my studies.



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# Nanoscience

Students who apply to the chemical sciences stream (TR061) may select nanoscience as their specialist area for the third and fourth years at the end of the second year provided they take physics as their open modules in the first two years. It is also possible to enter nanoscience through the physical sciences stream (TR063).



## What is Nanoscience?

Creation of new technologies and devices would not be possible without mastery of advanced materials at the nanoscale. Making devices at the nanoscale can reduce energy costs while increasing speed or adding functionality. Nanodevices may behave in novel ways, not simply miniature versions of macroscopic devices. Nanoscience incorporates applications in energy conversion and storage, photonics, medical diagnostics, ultra-fast electronics and other areas including polymers, lasers, and optoelectronics, and industries such as electronics, telecommunications, healthcare and aerospace. Students in Nanoscience learn the basic physics and chemistry underlying these applications and how they relate to these applications and industries.

## Nanoscience: The course for you?

If you enjoy laboratory work and have the desire to apply your scientific skills to the latest technologies that shape our world, then this may be the course for you.

## Nanoscience at Trinity

Studying Nanoscience at Trinity offers you the opportunity to learn from world-leading experts based in the Schools of Physics and Chemistry, and in CRANN (Centre for Research on Adaptive Nanostructures and

Nano devices), which is Ireland's research centre for nanoscale materials. This degree will teach you how to use and apply principles of chemistry and physics to solve practical problems associated with the development of new technologies and their application to nanoscience.



## Your degree and what you'll study

In the first two years you study Chemistry, Physics and Mathematics. There are tutorials on historical and modern aspects of Nanoscience and Materials Science from leading experts based in the Schools of Physics and Chemistry. The Physics course includes topics in Astrophysics, Statistics, Mechanics, Thermodynamics, Electricity, Acoustics and Optics, Nuclear Physics and Quantum Physics.

The Mathematics course includes topics in Calculus, Linear Algebra, Fourier Analysis and Mechanics. Students spend three hours per week in experimental or computational laboratories. You will learn transferable coding skills through the Python programming language.

In the third year you spend one day per week in the Nanoscience experimental laboratory where you are introduced to a wide range of techniques for chemical synthesis, preparation and characterisation of nanoscale materials. Some laboratory training is provided in CRANN using state of the art facilities.

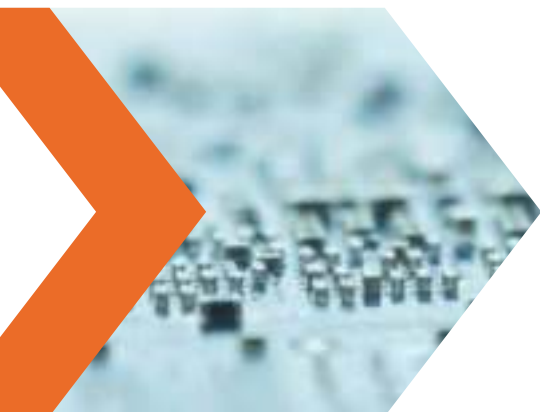
## Third year modules

Quantum Mechanics, Molecular Thermodynamics and Kinetics, Solid State Materials Chemistry, Analytical Methods, Electromagnetism, Semiconductor Physics, Magnetic Materials.

## Fourth year modules

Photonics, Materials for Electronic and Optoelectronic devices, Computer Simulation, Materials Growth Techniques, Semiconductor Devices.

If you would like more detailed information on the modules offered, see: [www.tcd.ie/nanoscience/undergraduate](http://www.tcd.ie/nanoscience/undergraduate)



## Do you enjoy...

Carrying out laboratory experiments and analysing your data?

Getting to grips with the latest research in Nanoscience and its impact on technology?





#### WHAT OUR GRADUATES SAY

##### Kate Reidy

If you research many of the exciting technologies or breakthroughs in the world today, I can guarantee that at least half of them are ‘nano’ related – and this is what we get to study in Nanoscience. This course has a huge emphasis on problem-solving, and I would highly recommend it to anyone who likes to question ‘how’ and ‘why’ the world works.

I also love to travel so international reputation was a huge factor for me when choosing a university course. Through Trinity’s international connections I have had the chance to experience research in Russia. I am so glad that I chose Nanoscience, the opportunities are endless.

### Study abroad

You may undertake your fourth year project at a research institute or university in the EU or further afield, provided you attain a sufficient standard in the third year examinations. Recent examples of laboratories where projects have taken place include the IMEC micro- and nano-electronics research centre in Leuven, Belgium; The Scripps Research Institute, La Jolla, California; the University of Alberta, Canada, the University of Wollongong, Australia, and the University of Potsdam in Germany.

Further information on the year abroad programme for second or third year students, and a list of partner universities, can be found at: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)

#### Other courses you might enjoy

TR035: Theoretical Physics, page 200

TR063: Physical Sciences Stream, page 190



### Get in touch!

A Physics Open Day is held in October each year, see: [www.tcd.ie/physics/outreach/open-days](http://www.tcd.ie/physics/outreach/open-days)

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# TR062 Geography and Geoscience

**B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR062	393	54	4 years



Geography and Geoscience is the study of our planet and the people that live on it. This multi-disciplinary programme is designed by leading research scientists in response to critical challenges facing the Earth system and humanity in the 21st century. It integrates knowledge from the physical, chemical, biological and social sciences to develop novel insights into Earth system function and human-environment interactions. So, if you are interested in studying the dynamics of our planet, understanding environmental changes past, present and future, and learning how to manage Earth's resources in an economic and sustainable manner, we have the degree for you.

The Geography and Geoscience degree programme is the new entry pathway to the study of Geography, Geology and Earth Science at Trinity. Our four-year programmes, culminating in the degrees of Geography or Geoscience, combine classroom lectures, seminars, laboratory-based practical classes, and outdoor field work, to develop the theoretical understanding and technical expertise needed to address applied, real-world problems such as natural resource management and sea level rise.

## Structure of the Geography and Geoscience (TR062) programme

In first and second year, you will acquire a broad grounding in geography and geoscience with an emphasis on physical geography, geology and human-environment interactions. You will learn about topical issues such as climate change, natural hazards (e.g. volcanoes, earthquakes, landslides), energy, sustainability and natural resources. These foundation years cover a diverse range of material including: the origins and development of our planet; earth structure and composition; circulation in the atmosphere and oceans; the evolution of life on Earth; Earth surface processes and environments (e.g. glaciers, rivers and deserts). In addition to learning about the physical, chemical and biological processes responsible for creating and shaping the Earth, students will also consider the unique role that humans play in the Earth system, including their impacts on the land, air and water, and the grand challenges linked to environmental governance, policy and management.

In third and fourth year, you will deepen your knowledge in specialist areas, while further developing a portfolio of practical and technical skills (e.g. geochemical analysis, geographical information systems, remote sensing). Our flexible programme structure

provides for module choice while retaining coherent curriculum design, thereby ensuring graduates are well prepared for entry to the constantly changing job market. Specialist options span the breadth of Geography and Geoscience, allowing you to tailor the course to suit your interests. In this way, you may focus on topics traditionally associated with geography (e.g. geomorphology, globalisation, sustainability) or geology (e.g. volcanology, palaeontology, natural resources), or you may choose to retain a broader, multi-disciplinary perspective that spans the critical interface between science and society.

## Career opportunities

Geography and geoscience graduates are highly valued for their cross-disciplinary expertise, adaptability and experience of dealing with complex spatial or multivariate data sets. They are in demand to work on many of society's most important challenges, and can pursue lucrative and personally rewarding careers in industry, academia, research and government. Careers leading directly from the programme include work in: environmental, engineering and geological consultancies; mineral exploration companies; the hydrocarbon industry; environmental planning; overseas development; government geological surveys; teaching and research.



Students who wish to study the Geography and Geoscience stream will specialise in one of the following subjects in third and fourth year: Geography or Geoscience.



		1st Year	2nd Year	3rd and 4th Year	
TR060	<b>Biological and Biomedical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Botany</li> <li>Environmental Science</li> <li>Genetics</li> <li>Human Genetics</li> <li>Immunology</li> <li>Microbiology</li> <li>Molecular Medicine</li> <li>Neuroscience</li> <li>Physiology</li> <li>Zoology</li> </ul>	Quota 235
TR061	<b>Chemical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Chemistry</li> <li>Chemistry with Biosciences</li> <li>Chemistry with Molecular Modelling</li> <li>Medicinal Chemistry</li> <li>Nanoscience</li> </ul>	Quota 72
TR062	<b>Geography and Geoscience Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Geography</li> <li>Geoscience</li> </ul>	Quota 54
TR063	<b>Physical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	<ul style="list-style-type: none"> <li>Nanoscience</li> <li>Physics</li> <li>Physics and Astrophysics</li> </ul>	Quota 52

# Geography

Students who wish to study geography apply to the science degree (TR062) and may select geography as their specialist area for the third and fourth years at the end of the second year.

Alternatively, geography can also be studied as a Joint Honors degree.

For subjects that combine with geography, see page 64.



## What is Geography?

Geography is truly interdisciplinary as it spans a broad spectrum of the social, biological, informational and physical sciences. As the world becomes interconnected, geographers are well placed to bring their understanding and skills to bear on social and environmental issues.

## Geography: The course for you?

Trinity is ranked in the world top 100 universities for Geography (QS World University Rankings by Subject 2019).

In recent years, third and fourth year geography students have been involved in academic staff-led fieldwork from Clare Island to Mallorca, undertaken summer research projects in Kenya and made digital video documentaries as part of their assessed work.

## Geography at Trinity

Geography Matters! In contemporary society it is clear that geographical knowledge and experience are more important than ever, helping us know and understand a dynamic and rapidly changing world.

Geography at Trinity College Dublin is a place of intensive and extensive geographical scholarship in Ireland. We teach and research across the discipline from Nigeria to New Zealand, from development theory to coastal modelling, and from climate change to the social economy.

We aim to challenge students intellectually and foster and maintain world-class research and teaching in a supportive and collegial atmosphere. Geography is an integrative subject with an international outlook and openness to interdisciplinary collaboration.

## Graduate skills and career opportunities

A wide range of career options is potentially available to Geography graduates. The combination of a broad-based discipline and training in highly relevant transferable skills is valued in today's job market, where adaptability and flexibility are widely regarded as assets. Careers taken up by graduating geography students in recent years include urban and regional planning, environmental consultancy and research and teaching as well as positions in such areas as financial services (including insurance), foreign affairs, leisure and tourism and overseas development.

## Your degree and what you'll study

The first two years of the course provide a grounding in Geography with particular emphasis on physical geography, human environment interactions and geoscience. You will take the core first year modules 'Spaceship Earth: An Introduction to Earth System Science', 'Geology: A Beginner's Guide to Planet Earth', and 'The Anthropocene: Constructing the Human Planet', in addition to foundation modules in mathematics, statistics and computation. In addition, you will have the opportunity to tailor your experience by selecting optional modules drawn from among the chemical, physical and biological sciences, and human geography.

In third and fourth year you will deepen your knowledge in particular subject areas, whilst further developing your portfolio of practical and technical skills. The programme structure allows considerable flexibility in module choice whilst retaining coherent curriculum design to ensure graduates are prepared for entry to the constantly changing job market. Topics covered during third and fourth years include climate and environmental change, geomorphology, environmental governance, globalisation and development. In the fourth year, you will complete an independent Capstone research project on your chosen specialism. To find out more detailed information on all of the modules currently offered, please visit: [www.tcd.ie/geography](http://www.tcd.ie/geography)

## Assessment

A combination of continuous assessment and end-of-term examination is used.

## Study abroad

There are opportunities for students to spend all or part of the third year studying abroad at Exeter, Bordeaux, Paris-Sorbonne, Prague (Charles University), Utrecht or Stockholm universities.

## Do you enjoy...

Learning to understand the way that global environmental change will alter our future?

Finding out about the developing world and geopolitics?

Analysing landscapes and landscape development over time?







**Get in touch!**

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# Geoscience

Students who wish to study geoscience apply to the science degree (TR062) and may select geoscience as their specialist area for the third and fourth years at the end of the second year.



## What is Geoscience?

Geoscience combines the study of geology, geography, chemistry, physics and biology, to develop a complete understanding of how the earth works. The work of geoscientists helps us understand the changing climate, predict earthquakes and volcanic eruptions, find supplies of energy and raw materials, maintain clean air and water, understand the motion of the earth's crust and oceans, and reconstruct the evolution of rocky planets and life.

## Geoscience: The course for you?

If you like science, enjoyed taking Geography and the physical sciences at secondary level, care about the earth, are fascinated by the natural world and enjoy working outdoors, then consider Geoscience. Geoscience attracts people who wish to study the dynamics of our planet, to understand environmental changes past, present and future, and to manage Earth's resources in an economic and sustainable manner.

## Geoscience at Trinity

At Trinity, you will learn from internationally renowned geoscientists whose teaching is informed by current research at the frontiers of knowledge. Our staff are drawn from the departments of Geology and Geography,

where they investigate a diverse range of topical issues ranging from reconstructing sea-level change, development of life forms, measuring landforms on Mars to meteor impacts. Research and teaching in Trinity Geoscience combine field-observation, sophisticated laboratory analysis and numerical modelling for a quantitative understanding of the planet.

## Graduate skills and career opportunities

There is currently a global shortage of geoscientists. Geoscience not only prepares students to work on many of society's most important challenges, it also unlocks lucrative and personally rewarding careers in industry, academia, research and government. Careers leading directly from Geoscience include work in: environmental, engineering and geological consultancies; mineral exploration companies; the oil industry; environmental planning; government geological surveys; teaching and research. Geoscience graduates are also highly valued in more generalised fields of employment due to their adaptability, their many transferable skills and their experience at dealing with incomplete data sets.

## WHAT OUR GRADUATES SAY

### Clare Stead

The small class size made us a close-knit group from the start which made for a friendly atmosphere. The strong practical element of the course was great, both for reinforcing what we learnt during lectures and bringing the class together as a group. The final year fieldtrip to Sicily was a highlight for me – we got to see the beautiful Turkish Steps, stand inside an old lava tube, and even watch glowing lava flows at night as they erupted from Mount Etna!

## Your degree and what you'll study

Geoscience is a new, multi-disciplinary course designed by leading research scientists in response to critical challenges facing the earth system in the 21st century. This new course integrates the successful degrees in Geology and Earth Science to create a flexible programme that balances the development of deep knowledge and expertise with the capacity to transcend traditional subject boundaries.

At Trinity, the emphasis on quality over quantity means you will have the opportunity to learn in small classes. You will be taught via a combination of classroom lectures, seminars, and laboratory-based practical classes, developing the theoretical understanding and technical expertise needed to address applied, real-world problems. Fieldwork is a core component of geosciences research and the great outdoors is our laboratory. At Trinity we are committed to training field scientists who have practical experience of field research in a range of environments. The Geoscience programme includes several residential field courses in Ireland and overseas, with current destinations including Scotland, Greece and Spain.

## Do you enjoy...

Finding out how our planet works?

Exploring the natural world outdoors?

Discovering how we can manage our natural resources more sustainably?







The first two years of the course provide a grounding in the geosciences with particular emphasis on physical geography, geology and human-environment interactions. In each foundation year, you will take 40 credits of core modules covering these fundamental topics, whilst also developing your numerical and analytical skills and your capacity to collect and process spatial data. In addition, you will have the opportunity to tailor your experience by selecting 20 credits of open modules drawn from among the chemical, physical and biological sciences.

In third and fourth year, you will deepen your knowledge in particular subject areas, whilst further developing your portfolio of practical and technical skills. The programme structure allows considerable flexibility in module choice whilst retaining coherent curriculum design to ensure graduates are prepared for entry to the constantly changing job market.

Topics covered during the third and fourth years include climate and environmental change, igneous and metamorphic processes, sedimentology, tectonics, geochemistry, exploration for natural resources (water, minerals and hydrocarbons), palaeontology and evolution and geophysics. In the fourth year, you will complete a significant piece of independent Capstone research on your chosen specialism, which may take the form of a written dissertation or a geological mapping project. To find out more detailed information on all of the modules currently offered, please visit: [www.tcd.ie/geography/undergraduate/geography-geosciences](http://www.tcd.ie/geography/undergraduate/geography-geosciences)

This degree is also available within the Dual B.A. Programme between Trinity College Dublin and Columbia University. For more details see page 124.

### Study abroad

Further information on the year abroad programme, and a list of partner universities, can be found by emailing our International Student co-ordinator, Dr. Sean McClenaghan [mcclens@tcd.ie](mailto:mcclens@tcd.ie)



#### WHAT OUR GRADUATES SAY

##### Joanna Tottenham

During my degree in geoscience at Trinity I was taught by lecturers who are leaders in their respective fields. They are always approachable and available to aid you with any questions you might have. I loved the strong sense of community spirit amongst the geoscience students, postgrads and the faculty alike. The class sizes are small so you get to know everyone in your class really fast which makes for a friendly atmosphere. The highlights for me were our class field trips where we spent our days applying our theoretical knowledge from the classroom in beautiful locations across Greece, Sicily and Ireland, and spent the evenings with friends and lecturers enjoying the social aspects of different cultures.

#### WHAT OUR GRADUATES SAY

##### James Stokes

Studying Geology in Trinity has given me a wonderful insight into our planet in a fun and interactive learning environment. The lectures and practicals are supported by a very helpful and approachable teaching staff. The concepts covered in class are then reinforced by fantastic field trips abroad, which give the chance to travel and understand geology in a much broader context.



### Get in touch!

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# TR063 Physical Sciences

B.A. (Moderatorship) Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR063	509	52	4 years

Did you ever wonder why your smart phone battery needs to be recharged? Or why planets and stars don't crash into each other? From particles to planets, from crystals to chaos, from quanta to quasars and from superconductors to supernovae, physics can explain and answer many of our questions and curiosities.

Physical Sciences (TR063) at Trinity is a four year degree programme for students who like to solve problems. Whether it is studying galaxies, examining the potential of new lasers or investigating next generation nanomaterials, this degree pathway will prepare you for a lifelong career of solving problems in research, industry or business.

## Why Physics at Trinity?

In the School of Physics our presence at the forefront of cutting-edge research allows us to contribute to ground-breaking advances relevant to society today. Our interdisciplinary approach to research requires national and global collaborations - an approach that influences our teaching and our students' mindset. In your fourth year of this programme, you will develop specialist research knowledge by carrying out a Capstone research project in our state-of-the-art facilities or with one of our collaborators in Ireland or abroad (e.g. US, UK, France, Germany, China and Australia).

As well as practical knowledge of the subject, our programme is designed to help you to develop many other transferable skills valued by both employers and the wider community. These range from critical thinking and problem-solving skills to understanding complex mathematical/physical behaviour. Every year, graduates from all our degree courses drawn from a range of sectors of industry, business and society are invited back to share their experiences with our current students. Our student societies host a career fair for students so you can meet employers. The School of Physics annual Alumni Careers Networking evenings enable

you to hear from a range of graduates what they are doing in their careers today.

Our physics degrees are accredited by the Institute of Physics, the professional body for physicists in Ireland and the UK. This opens up a pathway to become a 'Chartered Physicist' (CPhys). Trinity is also a member of LERU, a League of European Research Universities in recognition of our outstanding education, research and innovation; something that you will experience first-hand in our physics programmes.

## Structure of Physical Sciences (TR063) programme

### First and second years

In first and second year, you will study foundation topics in physics including classical and quantum mechanics, electromagnetism, special relativity, and thermodynamics through our lectures, tutorials and computational and experimental laboratory classes. This will be hand-in-hand with the study of mathematics and your choice of open modules from other science subjects. These strong foundations in physics and mathematics will allow you to study more advanced topics in the physics, astrophysics and nanoscience degree programmes in later years.

### Third and fourth years

In third and fourth year, all students study central topics such as quantum mechanics, statistical physics and condensed matter

physics. In addition each student must opt to specialise in one of our three moderatorships:

**Physics:** Advanced topics include magnetism, semiconductor devices, materials and electronic structure, superconductivity, nanoscience, modern and non-linear optics, nuclear physics and structure, high energy physics and optional topics (energy science, thin films, polymers, ultramicroscopy of nanostructures, and theoretical methods).

**Physics and Astrophysics:** Specialised astrophysics topics include stellar and galactic structures, planetary and space science and cosmology together with nuclear physics and structure, and high energy physics.

**Nanoscience:** Advanced topics include nanoscience, condensed matter physics, specialist courses in thin films, polymers, ultramicroscopy of nanostructures, solid state chemistry, electrochemistry, photochemistry, all emphasising nanomaterials.

All have tailored practical courses developing appropriate laboratory, experimental, computational and analysis skills as well as participation in research-level final year Capstone projects carried out in a research laboratory in Trinity or in another university, research institute or astrophysical observatory (e.g. US, UK, France, Germany, China and Australia).



Students who wish to study the Physical Sciences stream (TR063) will specialise in one of the following subjects in third and fourth year: Physics or Physics and Astrophysics or Nanoscience.

Alternatively, the separate entry Theoretical Physics (TR035) degree shares this physics problem-solving approach and places an even greater emphasis on the underlying mathematical complexity of the universe.

Students who wish to specialise in Nanoscience can also enter the Chemical Sciences stream (TR061).



	1st Year	2nd Year	3rd and 4th Year	
<b>TR060</b>	<b>Biological and Biomedical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	Quota 235
			<ul style="list-style-type: none"> <li>Biochemistry</li> <li>Botany</li> <li>Environmental Science</li> <li>Genetics</li> <li>Human Genetics</li> <li>Immunology</li> <li>Microbiology</li> <li>Molecular Medicine</li> <li>Neuroscience</li> <li>Physiology</li> <li>Zoology</li> </ul>	
<b>TR061</b>	<b>Chemical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	Quota 72
			<ul style="list-style-type: none"> <li>Chemistry</li> <li>Chemistry with Biosciences</li> <li>Chemistry with Molecular Modelling</li> <li>Medicinal Chemistry</li> <li>Nanoscience</li> </ul>	
<b>TR062</b>	<b>Geography and Geoscience Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	Quota 54
			<ul style="list-style-type: none"> <li>Geography</li> <li>Geoscience</li> </ul>	
<b>TR063</b>	<b>Physical Sciences Stream</b>	40 Core + 20 Elective Credits	40 Core + 20 Elective Credits	Quota 52
			<ul style="list-style-type: none"> <li>Nanoscience</li> <li>Physics</li> <li>Physics and Astrophysics</li> </ul>	

# Physics

Students who wish to study physics apply to the physical sciences stream (TR063) and at the end of second year may select physics as their specialist area for the third and fourth years.



## What is Physics?

Physics is the study of the material world and natural phenomena around us, including the fundamental particles of nature and their interactions, properties of atomic nuclei, atoms, molecules, gases and solid matter. It includes fields such as astrophysics, cosmology, and physics of materials. The laws of physics are the laws which govern electricity and magnetism in modern devices such as mobile phones, computers, the internet, radio and television, the mechanics of aviation and space flight and the quantum mechanics underlying magnetic resonance imaging in medicine.

## Physics: The course for you?

If you enjoy laboratory and computational work and have an interest in how fundamental physical theories explain the world that we live in, then this could be the course for you.

## Physics at Trinity

The Trinity Physics course includes a strong background in core physics subjects as well as courses in condensed matter physics, semiconductor devices, photonics, metals, magnetism and superconductivity. Practical aspects of the course include lecture modules in electronics and instrumentation. Physics at Trinity offers you the opportunity to study with

world leading experts in the School of Physics, with modules designed to provide you with a qualification for employment across a range of research and industry settings.

## Graduate skills and career opportunities

The Trinity physics degrees are all recognised by the Institute of Physics, which is the professional body for physicists in Ireland and the UK, as qualifications for the professional title 'Chartered Physicist' (CPhys). Physics graduates are always in high demand in Ireland and abroad in modern high-technology industries, as well as in teaching. You may also find a career in academic institutions, government and industrial research organisations and production facilities or in the meteorological service. There are diverse opportunities in electronics, telecommunications, biophysics, hospital and health physics, automation and computing. Your degree course will give you the opportunity to acquire problem solving skills which will be valued by your future employer. It could also give you useful primary training for a legal, managerial or actuarial career, where a technical background is attractive.

## Your degree and what you'll study

In the first two years you study physics and mathematics and one other subject. The physics course includes topics in astrophysics, statistics, mechanics, thermodynamics, electricity, acoustics and optics, nuclear physics and quantum physics. The mathematics course includes topics in calculus, linear algebra, fourier analysis and mechanics. You spend three hours per week in experimental or computational laboratories. You will learn computer coding skills through the Python programming language.

In the third year you take lecture modules in physics and spend one day per week in the experimental laboratory as well as receiving training in communication and presentation skills. In the fourth year you carry out an experimental or computational Capstone research project during the first nine weeks of the first semester and then take lecture modules in Physics which cover core Physics at a more advanced level as well as open modules.

### Third year modules

Quantum Mechanics, Electromagnetism, Condensed Matter Physics, Atomic and Nuclear Physics, Stellar and Galactic Structure, Statistical Mechanics, Dynamical Systems.

### Fourth year modules

Quantum Physics, High Energy Physics, Condensed Matter, Nanoscience, Electromagnetic Interactions, Modern Optics, Advanced Topics in Physics.

## Do you enjoy...

Experimental and computational work in a variety of fields such as condensed matter physics or non-linear optics?

Finding out how big ideas, such as quantum physics and relativity, shape the world we live in?







#### WHAT OUR GRADUATES SAY

##### Dylan Scully

Choosing to study Physics in Trinity was one of the best and easiest decisions I've ever made. The chance to pursue a full-time research project in final year and work alongside world-class researchers in one of Trinity's research centres or abroad was a truly unique and enriching opportunity. Studying Physics has been both fascinating and riveting and has equipped me with the skills I'll need no matter what direction my career takes after Trinity.



### Study Abroad and internship opportunities

You may undertake your fourth-year Capstone project at a research institute or university in the EU or further afield, provided you attain a sufficient standard in the third-year examinations. In recent years, students have worked at the Information on the year abroad programme for second or third year students, and a list of partner universities, can be found at: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)

### Get in touch!

A Physics Open Day is held in October each year, see: [www.tcd.ie/physics/outreach/open-days](http://www.tcd.ie/physics/outreach/open-days)

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# Physics and Astrophysics

Students who wish to study physics and astrophysics apply to the physical sciences stream (TR063) and at the end of second year may select physics and astrophysics as their specialist area for the third and fourth years.



## What is Astrophysics?

Since the dawn of human civilisation humans have gazed in wonder at the night sky. Astrophysics – the exploration of our solar system and the universe beyond – is still a major part of human endeavour in science. It covers everything from the sun and other stars to planets, galaxies and the cosmic microwave background.

## Physics and Astrophysics: The course for you?

If you enjoy laboratory and computational work and have an interest in how fundamental physical theories explain how the universe took shape, then this may be the course for you.

## Physics and Astrophysics at Trinity

The course includes core physics subjects as well as specialised courses in astronomical instrumentation, spectroscopy, the solar system, stellar evolution, supernovae, galaxies, interstellar matter, black holes and cosmology. Half of the third-year laboratory class is devoted to learning computational data handling techniques relevant for astrophysicists and the wider world of big data. The School of Physics is equipped with an 11" optical telescope and a 5 cm solar telescope for undergraduate use in the Monck Observatory.

Physics and Astrophysics at Trinity offers you the opportunity to study with world-leading experts in the School of Physics, with modules designed to provide you with a flexible qualification for employment across a range of astrophysics research and industrial settings.

## Your degree and what you'll study

In the first two years you study physics and mathematics and one other subject. The physics course includes topics in astrophysics, statistics, mechanics, thermodynamics, electricity, acoustics and optics, nuclear physics and quantum physics. The mathematics course includes topics in calculus, linear algebra, fourier analysis and mechanics. You spend three hours per week in experimental or computational laboratories. You will learn computer coding skills through the Python programming language.

In the third year you take modules in physics and astrophysics and spend one day per week working in the computer laboratory (first semester) or in the experimental laboratory (second semester). You also receive training in communication and presentation skills. In the fourth year you carry out an experimental or computational Capstone research project during the first nine weeks of the first semester and then take lecture modules in Physics and Astrophysics which cover core Physics and Astrophysics at a more advanced level.

In the fourth year you carry out a Capstone research project either in Trinity or in a research laboratory abroad, mainly in Europe, Canada or the USA. This will allow you to develop your practical skills in a research environment, while learning about different countries and cultures.

## Third year modules

Quantum Mechanics, Electromagnetic Interactions, Condensed Matter Physics, Atomic and Nuclear Physics, Stellar and Galactic Structure, Computer Simulation, Statistical Thermodynamics and Astrophysical Spectroscopy, Experimental Techniques for Astrophysics.

## Fourth year modules

Planetary and Space Science, Cosmology, Computer Simulation, Quantum Physics, High Energy Physics, Electromagnetic Interactions, Modern Optics and Practical in Physics and Astrophysics.

If you would like more detailed information on all the modules offered, see: [www.tcd.ie/physics](http://www.tcd.ie/physics)

## WHAT OUR GRADUATES SAY

### Dr. Aoife McCloskey

I specialised in physics and astrophysics for my final degree. My undergraduate experience provided me with a range of invaluable skills and knowledge, such as problem-solving and coding, that have prepared me for pursuing a diverse range of scientific careers. Along with my postgraduate research I also worked as an educator with the Trinity Walton Club, teaching mathematics to secondary school students. Without my undergraduate degree I would not have had these opportunities.



## Do you enjoy...

Learning to observe the universe using radio and optical telescopes?

Finding out how big ideas, such as quantum physics and relativity, shape the world we live in?





### Study Abroad and internship opportunities

You may undertake your fourth year Capstone project at a research institute or university in the EU or further afield, provided you attain a sufficient standard in the third-year examinations. In recent years, students have worked at the NASA Goddard Space Flight Center in the United States and at the European Space Agency in Madrid. Information on the year abroad programme for second- or third-year students, and a list of partner universities, can be found at: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)



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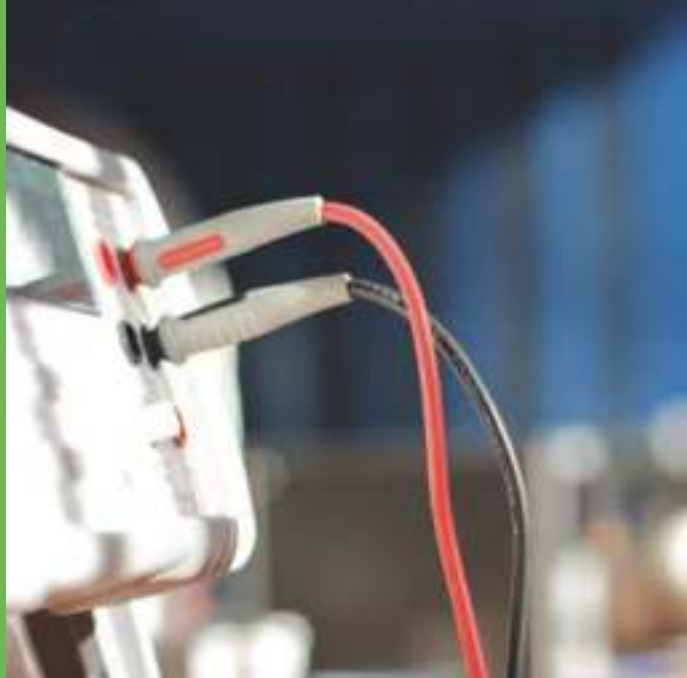
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# Nanoscience

Students who apply to the physical sciences stream (TR063) may select nanoscience as their specialist area for the third and fourth years at the end of the second year provided they take chemistry as their open modules in the first two years. It is also possible to enter nanoscience through the chemical sciences stream (TR061).



## What is Nanoscience?

Creation of new technologies and devices would not be possible without mastery of advanced materials at the nanoscale. Making devices at the nanoscale can reduce energy costs, increase speed or add functionality. Nanoscience incorporates applications in energy conversion and storage, photonics, medical diagnostics, ultra-fast electronics and other areas including polymers, lasers, and optoelectronics, and industries such as electronics, telecommunications, healthcare and aerospace. Students in Nanoscience learn the basic physics and chemistry underlying these applications and how they relate to these applications and industries.

## Nanoscience: The course for you?

If you enjoy laboratory work and want to apply scientific skills to the latest technologies that shape our world, then this may be the course for you.

## Nanoscience at Trinity

Studying Nanoscience at Trinity offers you the opportunity to learn from world-leading experts based in the Schools of Physics and Chemistry, and in CRANN (Centre for Research on Adaptive Nanostructures and Nano devices), which is Ireland's research centre for nanoscale materials. This degree will teach you how to use and apply principles of chemistry and physics to solve practical problems associated with the development of new technologies and their application to nanoscience.

## Your degree and what you'll study

In the first two years you study chemistry, physics and mathematics. There are tutorials on historical and modern aspects of nanoscience and materials science from leading experts based in the Schools of Physics and Chemistry. The physics course includes topics in astrophysics, statistics, mechanics, thermodynamics, electricity, acoustics and optics, nuclear physics and quantum physics. The mathematics course includes topics in calculus, linear algebra, Fourier analysis and mechanics. Students spend three hours per week in experimental or computational laboratories. You will learn transferable coding skills through the Python programming language.

In the third year you spend one day per week in the nanoscience experimental laboratory where you are introduced to a wide range of techniques for chemical synthesis, preparation and characterisation of nanoscale materials. Some laboratory training is provided in CRANN using state of the art facilities.

## Third year modules

Quantum Mechanics, Molecular Thermodynamics and Kinetics, Solid State Materials Chemistry, Analytical Methods, Electromagnetism, Semiconductor Physics, Magnetic Materials.

## Fourth year modules

Photonics, Materials for Electronic and Optoelectronic devices, Computer Simulation, Materials Growth Techniques, Semiconductor Devices.

If you would like more detailed information on the modules offered, see: [www.tcd.ie/nanoscience/undergraduate](http://www.tcd.ie/nanoscience/undergraduate)

## Study abroad

You may undertake your fourth year Capstone project at a research institute or university in the EU or further afield, provided you attain a sufficient standard in the third-year examinations. Recent examples of laboratories where projects have taken place include the IMEC micro- and nanoelectronics research centre in Leuven, Belgium; The Scripps Research Institute, La Jolla, California; the University of Alberta, Canada, the University of Wollongong, Australia, and the University of Potsdam in Germany.

Further information on the year abroad programme for second- or third-year students, and a list of partner universities, can be found at: [www.tcd.ie/study/non-eu/study-abroad](http://www.tcd.ie/study/non-eu/study-abroad)

## Other courses you might enjoy

TR061: Chemical Sciences Stream

TR035: Theoretical Physics



## Do you enjoy...

Carrying out laboratory experiments and analysing your data?

Getting to grips with the latest research in Nanoscience and its impact on technology?



#### WHAT OUR GRADUATES SAY

##### Dahnán Spurling

I graduated with a degree in nanoscience – physics and chemistry of advanced materials. After I graduated I received funding from the Irish Research Council and Intel to undertake a Ph.D. in Prof. Valeria Nicolosi's group here in CRANN. I'm working on the synthesis and 3D printing of nanomaterials for electronic devices, a project that is a wonderful mix of materials science and engineering. A vast amount of nanoscale research is carried out in Trinity and understanding the often strange properties and interactions of nanomaterials is enabling huge advances in the technology we rely on. For me, the best aspect was that the nanoscience course gives you a comprehensive foundation in both physics and chemistry meaning that you have the practical skills as well as theoretical knowledge to continue in a near limitless array of academic and industrial fields.



## Get in touch!

A Physics Open Day is held in October each year, see: [www.tcd.ie/physics/outreach/open-days](http://www.tcd.ie/physics/outreach/open-days)

[www.tcd.ie/nanoscience](http://www.tcd.ie/nanoscience) | [www.tcd.ie/physics/study/prospective/undergraduate](http://www.tcd.ie/physics/study/prospective/undergraduate)

E [npcam@tcd.ie](mailto:npcam@tcd.ie) | and/or | E [physics@tcd.ie](mailto:physics@tcd.ie) | T +353 1 896 1675 / 1726 / 2024

Twitter [@npcamtcd](https://twitter.com/npcamtcd)

# Mathematics

**B.A. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR031	520	40	4 years
Joint Honors (see below)	565	30	4 years

Mathematics has the following entry options:

TR031 Single Honors Mathematics AND Joint Honors options as follows:

TR207	Economics
TR597	Modern Language* (Irish, Russian)
TR598	Music
TR599	Philosophy

\* See page 86 for language options and requirements

## What is Mathematics?

Mathematics is a broad and diverse subject which is used to model, analyse and understand several applications in the physical and biological sciences, engineering, management science, economics and finance. Its numerous applications are naturally interwoven with the underlying theory which is essential in developing one's logical reasoning, quantitative skills and problem-solving techniques.

## Mathematics: The course for you?

Mathematics is an excellent choice for anyone hoping to meet the demand for mathematics graduates in the job market, which values numeracy, ability in abstract reasoning and the skill to turn ideas into methods. If you have a natural ability in mathematics and are genuinely interested in applying mathematical solutions to problem solving, then this course will suit you well. It is also a great start for a career in actuarial work, finance or accounting, although these will require further training. The course has been successful over a long period in providing diverse career opportunities for many students.

## Mathematics at Trinity

Trinity is justly proud of its long tradition of excellence in mathematics. Research interest in the School of Mathematics is enormously varied; ranging from the abstract ideas of modern algebra and analysis to practical ideas of numerical analysis, modelling and computer algorithms; the nature of fundamental particles and general relativity; non-linear systems and fluid mechanics. This departmental diversity is reflected in the specialist degree-level courses available to students. With an academic staff that brings expertise and experience from many parts of the world, the course aims to be world class, with options for study and research in a wide range of mathematical areas.

## WHAT OUR CURRENT STUDENTS SAY

### Maria Munoz Lopez

The programme at Trinity has given me a passionate and well-rounded education in mathematics. It has given me the chance to study many different areas of maths, as well as the possibility to study abroad in Australia and spend time working on research projects in the US. The opportunities and the high level of support have made me wish to continue my career in maths, and pursue a Ph.D. at the University of Minnesota.

## Graduate skills and career opportunities

A degree in mathematics opens up the possibility of a career in a variety of industries and sectors. Graduates have found employment in computing, where mathematics skills have immediate and practical application. The financial services and internet security sectors are also common first destinations for graduates. Other options include statistics, teaching, accountancy, actuarial work, finance, and all areas of pure and applied mathematics. Many of these involve further study or intensive research in leading universities including Cambridge, Oxford, Imperial College London, etc.

## Pathways

Pathways available are Single Honors, Major with Minor and Joint Honors. See Page 25 for further information.

## Your degree and what you'll study

The programme is designed to provide a broad mathematical training that will allow you to work in any environment that requires strong numerical and logical skills. The modules offered can be grouped into four areas:

## Do you enjoy...

- Working with numbers?
- Solving practical problems?
- Improving your analytical skills?



## Special Entry Requirements

Leaving Certificate	H3	Mathematics
Advanced GCE (A Level)	Grade B	Mathematics



- a) Pure mathematics which explores fundamental concepts and abstract theories
- b) Applied and computational mathematics which deals with practical problems
- c) The mathematics of theoretical physics
- d) Statistical models and methodology

The overall structure of our programme can be briefly summarised as follows.

### First and second years

Students take common modules in order to develop their skills and overall background in calculus, linear and abstract algebra, and other related subjects. Although most of the first and second year modules are compulsory, students are also able to choose a few open modules in areas such as probability, statistics and theoretical physics (as well as Trinity Electives during the second year).

### Third and fourth years

Students choose their own modules and thus specialise in the areas they find most interesting and appealing. There is a broad selection of modules in pure mathematics, theoretical physics, statistics and computer science (as well as Trinity Electives during the third year).

## Study abroad

Students may choose to spend their third year to study abroad at one of our partner universities as part of an exchange programme. In particular, some of our students have recently completed their third year of studies at the University of Durham (UK), Université Lille 1 (France), the University of California at Berkeley (USA), McGill University (Canada) and the University of Melbourne (Australia).

### Other courses you might enjoy

TR035: Theoretical Physics, page 200

### WHAT OUR GRADUATES SAY

#### Adam Keilthy

The mathematics degree in Trinity truly broadened my mathematical horizons. With such a broad range of topics available, and such positive student-staff interaction, I was inspired to pursue a Ph.D. in Oxford. However, academia was not my only option: many of my peers pursued careers in finance, computing and industry. The courses are well designed, and the staff are engaging and dedicated to helping students. Having so many courses to choose from allows you to tailor the degree to your interests perfectly. While the work can be hard, it is extremely rewarding and so I would highly recommend maths as an option to those with an interest.

### WHAT OUR GRADUATES SAY

#### Aoibheann Brady

The maths degree at Trinity allowed me to explore a wide range of topics, and the research programmes for undergraduates guided my decision to pursue a Ph.D. at the University of Bath. I also worked in finance during summers and after graduating, the possibilities open to me have been incredibly broad.

The course had great social aspects: I have made friends for life through the Mathematical Society and was a founding member of the “Ireland for CERN” campaign – an experience not available elsewhere. The standard of courses, the opportunities, and the level of support and engagement of academic staff make choosing the degree a fantastic decision.



## Get in touch!

[www.maths.tcd.ie/undergraduate](http://www.maths.tcd.ie/undergraduate)  
Course Director: Vladimir Dotsenko

School of Mathematics | [E mathdep@maths.tcd.ie](mailto:mathdep@maths.tcd.ie) | [T +353 1 896 1949](tel:+35318961949)  
[E vdots@maths.tcd.ie](mailto:vdots@maths.tcd.ie)

# Theoretical Physics

B.A. Honors Bachelor Degree (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
TR035	531	45	4 years



## What is Theoretical Physics?

Theoretical physics explores the natural world at its most fundamental level, using mathematical theories guided by experimental investigation. For some it is the foundation for an academic career in mathematics or physics. For others it provides the basis for many career options in industry, medicine, law, finance and computing. Trinity provides a course which ranges widely across physics and mathematics. Its graduates are in demand for their technical skills and versatility.

## Theoretical Physics: The course for you?

If you enjoy mathematics and seeing how physical theories can be developed to unlock the secrets of the universe on every scale from the quark to the Big Bang, you will be stimulated by this course. If you want to keep

a wide range of options open for the future, you can do this in Theoretical Physics. It consistently attracts a spirited and talented class that makes the most of the Trinity experience.

## Theoretical Physics at Trinity

Trinity is a world renowned university for physics and mathematics with a long tradition of excellence in teaching and research. The course offers a unique mixture of pure and applied mathematics and physics courses taught by faculty with international reputations in their research fields. The School of Physics has excellent first, second and third year laboratories for teaching experimental physics. The School of Physics is affiliated with Trinity's world renowned nanoscience institute (CRANN, the Centre for Research on Adaptive Nanostructures and Nanodevices) and the associated advanced microscopy lab (AML).

In the School of Mathematics students will be taught by active researchers working in areas of theoretical physics, such as string theory, quantum field theory and general relativity, as well as pure mathematicians. The School of Mathematics provides its own computing network comprising a dozen Linux machines acting as servers and about 60 workstations for undergraduates and staff. In addition, the school boasts the finest mathematics research library in Ireland, with over sixteen thousand books and a current subscription to over one hundred journals.

Assessment for courses is through a mixture of laboratory reports, presentations and end-of-semester exams.

	First and Second Years	Third Year	Fourth Year
<b>Maths</b>	<ul style="list-style-type: none"> <li>➤ Algebra</li> <li>➤ Analysis</li> <li>➤ Mechanics</li> <li>➤ Equations of Mathematical Physics</li> </ul>	<ul style="list-style-type: none"> <li>➤ Classical Field Theory and Electrodynamics</li> <li>➤ Quantum Mechanics</li> <li>➤ Statistical Physics</li> </ul>	<ul style="list-style-type: none"> <li>➤ Quantum Field Theory</li> <li>➤ Differential Geometry</li> <li>➤ General Relativity</li> <li>➤ Partial Differential Equations</li> <li>➤ Other mathematical modules and a project option are available each year</li> </ul>
<b>Physics</b>  The teaching of physics is divided into two modules (each of 10 credits) in each of the first two years and 5 credit lecture and 10 credit practical/project modules in the third and fourth years.	<p>Topics in classical and modern physics include:</p> <p>Waves and Optics, Special Relativity, Astronomy and Astrophysics, Quantum Physics, Nuclear Physics, Electromagnetic Interactions, Chaos and Complexity and Statistics.</p> <p>Students also take laboratory classes, small group tutorials and group study projects.</p>	<ul style="list-style-type: none"> <li>➤ Atomic and Nuclear Physics</li> <li>➤ Condensed Matter Physics I and II</li> <li>➤ Astrophysics or Computer Simulation</li> <li>➤ Students also take a laboratory class and workshops to develop communication skills.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Condensed Matter Theory</li> <li>➤ Electron and Photon Physics</li> <li>➤ High Energy Physics</li> </ul> <p>Optional courses are in:</p> <ul style="list-style-type: none"> <li>➤ Nanoscience</li> <li>➤ Advanced Topics such as Green's Functions in Physics</li> <li>➤ Cosmology</li> <li>➤ Computer Simulation</li> <li>➤ Students undertake a computational physics Capstone project and tutorials to develop problem solving abilities.</li> </ul>

## Special Entry Requirements

Leaving Certificate	H3	In mathematics and physics
Advanced GCE (A Level)	Grade B	In mathematics and physics



## Graduate skills and career opportunities

Many of our graduates proceed to Ph.D. degrees in leading institutions throughout the world (such as Cambridge University, Harvard, and Imperial College London) in mathematics and experimental physics as well as theoretical physics. Alternatively, as this degree provides graduates with a strong foundation in highly complex problem-solving skills as well as logical and abstract thinking, a world of possibilities beckons. The broad scientific background and skills that the course develops are in great demand by employers in diverse areas, including actuarial science, patent law, journalism, weather forecasting, telecommunications, medical physics, information technology, scientific computing and teaching.

## Your degree and what you'll study

The course combines much of the mathematics and physics curricula, including several modules specifically designed with the Theoretical Physics programme in mind. The final year includes a Capstone project which is carried out working closely with individual faculty members to develop an original piece of research.

## Study abroad

Theoretical physics students can spend up to a year, usually the third year, of their studies at a university abroad, either in Europe via Erasmus exchanges or further afield via a considerable number of bilateral agreements between Trinity and universities ranging from the Australian National University to the University of California and New York University in the United States.

## Other courses you might enjoy

TR031: Mathematics, page 198

TR063: Physical Sciences, page 190

## WHAT OUR GRADUATES SAY

### Manya Sahni

I chose theoretical physics in Trinity because I wanted the best possible understanding I could get in university about the laws that govern our universe. I loved solving problems. If you go through the definitions and practice using the theorems, it all comes together in this magical moment and, suddenly, you find you know how to solve a problem. It is the most challenging and rewarding thing I have done in my life. It is worth all the work I put in to now have an idea of how black holes work. I would like to pursue a master's or a Ph.D. in particle physics or quantum gravity. Theoretical Physics has given me the problem-solving and analytical skills to research these topics.



## Get in touch!

A Physics Open Day is held in October each year, see: [www.tcd.ie/physics/outreach/open-days](http://www.tcd.ie/physics/outreach/open-days)

[www.maths.tcd.ie](http://www.maths.tcd.ie) | [www.tcd.ie/physics](http://www.tcd.ie/physics) | [E kod@maths.tcd.ie](mailto:kod@maths.tcd.ie) | and/or | [E physics@tcd.ie](mailto:physics@tcd.ie) | [T +353 1 896 1949](tel:+35318961949)

[T @TCD\\_physics](https://twitter.com/TCD_physics)



# Health Sciences





44	Clinical Speech and Language Studies
204	Dentistry
204	Dental Hygiene
206	Dental Nursing
208	Dental Science
210	Dental Technology
212	Dental: Orthodontic Therapy (non-CAO)
214	Human Health and Disease
216	Human Nutrition and Dietetics
218	Medicine
220	Midwifery
222	Nursing
222	General Nursing
222	General Nursing (Adelaide)
222	Mental Health Nursing
222	Intellectual Disability Nursing
222	Integrated Children's and General Nursing
226	Occupational Therapy
228	Pharmacy
230	Physiotherapy
232	Radiation Therapy



# Dental Hygiene

Diploma (NFQ Level 7)

Course Code	CAO Points 2018	Places 2019	Duration
TR802	424	8	2 years



## What is a Dental Hygienist?

The dental hygienist works closely with other dental team members and healthcare professionals. Patients must first be examined by a dentist who will then indicate the treatment to be carried out by the dental hygienist. The dental hygienist focuses on preventative oral care for both children and adults, including those with special needs. Dental hygienists treat patients in the clinical setting to prevent or control periodontal (gum) disease and dental decay. They also engage in oral health promotional activities with individuals, targeted groups and other health care teams, providing advice and counselling in relation to diet and lifestyle habits such as smoking.

## Dental Hygiene: The course for you?

If you have an interest in working in oral health, and particularly preventative oral health, then this course is right for you. You will need to be able to develop good patient care skills, so an empathic personality and good communication skills are important. You need to be a good team player and show initiative to achieve the best for people in your care.

## Career opportunities

The Diploma in Dental Hygiene conferred by Trinity entitles graduates to register immediately after graduation as a dental hygienist on the Register of the Irish Dental Council. This registration is mandatory for working as a dental hygienist in Ireland.

Most dental hygienists will work in general dental practices or within the public health service. The opportunity exists to teach or become involved in research. The opportunity to work abroad also exists but may require you to sit some local examinations in the country of choice. Further courses of study are available to dental hygienists, including the Diploma in Orthodontic Therapy (see page 212).

## Your degree and what you'll study

This two-year course is based in the Dublin Dental University Hospital at Trinity. It has academic, project-based and clinical components which are carried out in the Dublin Dental University Hospital, Health Services Executive and general hospital settings. Emphasis is on small-group interactive learning, health promotion projects, evidence-based learning, and clinical practice. You will be integrated with undergraduate dental science students and dental nursing students for some elements of the programme.

### First year modules

- Introduction to Applied Clinical Science
- Introduction to Clinical Practice
- Clinical Practice and Health Promotion

### Second year modules

- Health Promotion
- Evidence Based Practice
- Clinical Practice





### This is a restricted entry course

Applications must be submitted by 1 February 2020.

Applicants will receive a questionnaire in April to be completed and returned to the Academic Registry.

Queries should be sent to [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

### Leaving Certificate

Applicants are required to present six subjects including :

English, mathematics, and one of physics, chemistry, biology, agricultural science or physics/chemistry.

Of the six subjects presented, two must be of a standard of at least grade 4 on higher Leaving Certificate papers.

The remaining four subjects must be presented to a standard of at least grade 6 on ordinary Leaving Certificate papers.

### Mature Students

Applications may also be considered from mature applicants who do not satisfy the academic entry requirements but can demonstrate appropriate experience relevant to the course.

All offers of admission to this course are made subject to health screening, see health screening page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

After qualifying as a dental hygienist you will be able to:

- › Describe the role of the dental hygienist and function within a dental team in oral health promotion and the provision of primary health care
- › Plan, implement and evaluate oral educational activities for groups and individuals
- › Carry out procedures to measure and assess the levels of oral health and oral hygiene
- › De-bridge and polish the teeth
- › Place fissure sealants
- › Apply fluoride-containing preparations and desensitising agents to the teeth
- › Recognise abnormalities in the mouth and inform the dentist
- › Take dental radiographs
- › Administer local anaesthetic for dental hygiene procedures
- › Place temporary dressings and re-cement crowns temporarily

### Assessment

Assessment is by a combination of written assessments and examinations, objective structured clinical examination (OSCE), a community-based health education project, competence tests in various clinical procedures, completion of various logbooks, clinical credits demonstrating a reasonable level of patient care, and a final written and clinical examination.



**Get in touch!**

[www.tcd.ie/dental](http://www.tcd.ie/dental)

Contact: Course Administrator Natalie McGettigan | [E natalie.mcgettigan@dental.tcd.ie](mailto:natalie.mcgettigan@dental.tcd.ie) | [T +353 1 612 7361](tel:+35316127361)

# Dental Nursing

Diploma (NFQ Level 7)

Course Code	CAO Points 2018	Places 2019	Duration
TR801	357	25	2 years



## What is a Dental Nurse?

The dental nurse plays an important role in the organisation and management of the dental practice, assists the dentist in all aspects of patient treatment and plays a vital role in patient care. The main duties of a dental nurse include infection prevention and control, chair-side assistance, preparation and maintenance of the dental surgery and patient care.

This course gives you the skills and practical competence needed to work in a dental surgery. You will learn about the day-to-day running of a dental practice and acquire the qualifications for entry to the Dental Council Voluntary Register of Dental Nurses.

## Dental Nursing: The course for you?

If you have an interest in working as part of a dental team in the delivery of oral healthcare and have a caring and understanding disposition, this may be the course for you. Skills required of students considering dental nursing include communication and organisation skills, the ability to use initiative, and the ability and willingness to work closely with the dental team in providing support and assistance during the provision of dental treatment. The dental nurse may also be involved with the administration of the dental surgery.

Through the course, you will be able to develop good patient skills and learn to communicate effectively in a healthcare environment.

## Dental Nursing at Trinity

This two-year course is based in the Dublin Dental University Hospital beside Trinity's campus. Clinical facilities are of a very high standard and class sizes are small, so that students receive considerable staff input into their progress throughout the programme. The course is very practical throughout, allowing students to progressively develop practical clinical skills. Graduates of the Trinity School of Dental Science and Dublin Dental University Hospital (DDUH) are highly sought after due to the extensive clinical exposure obtained during this programme.

## Career opportunities

As a graduate of Dental Nursing, you will be able to find work in a variety of working environments, including dental hospitals and Health Service Executive dental clinics, as well as in general and specialist dental practices. Depending on the work setting, advancement in the field may include senior dental nurse, clinic nurse manager, practice manager, marketing representatives for relevant companies, dental nurse tutor, course co-ordinator, and the area of health promotion.

Further courses of study are available to dental nurses, including the Diploma in Orthodontic Therapy (see page 212).

## Your degree and what you'll study

The Diploma in Dental Nursing course is divided into practical and academic components. Both academic teaching and practical clinical experience are gained at the Dublin Dental University Hospital (DDUH) at Trinity.



## Leaving Certificate

Applicants are required to present six subjects including:

English, mathematics, and one of physics, chemistry, biology, agricultural science or physics/chemistry.

Of the six subjects presented, two must be of a standard of at least grade 4 on ordinary Leaving Certificate papers.

The remaining four subjects must be presented to a standard of at least grade 6 on ordinary Leaving Certificate papers.

## Mature Students

Applications may also be considered from mature applicants who do not satisfy the academic entry requirements but can demonstrate appropriate experience relevant to the course.

All offers of admission to this course are made subject to health screening, see health screening page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

Dental Nursing students attend DDUH from Monday to Friday, from 8.30am to 5pm, but there will be opportunities to enjoy university life at various times during the week. The first year will be a combination of lectures and clinical practice, which will provide students with a variety of learning opportunities.

In the second year of the programme, the students will have the opportunity to work with various dental clinicians in a wide variety of disciplines. Clinical experiences will be gained within the DDUH environment, external institutions and private practices.

### First year modules

- Microbiology and Pathology
- Physiology and Medical Emergencies: Clinical Dentistry I
- Anatomy, Public Oral Health and Social Concepts in Dentistry
- Clinical Dentistry II and Computer Skills
- Clinical Placements I

### Second year modules

- Clinical Dentistry III, Practice Management and Health Psychology
- Clinical Placements II
- Case Study

### Assessment

First year is assessed by written examinations, practical examinations, continuous clinical assessment, objective structured clinical examination (OSCE) and an oral presentation. Second year is assessed by written examinations, objective structured clinical examination (OSCE), a portfolio of clinical experience, case study written report and an oral presentation.



## Get in touch!

[www.tcd.ie/dental](http://www.tcd.ie/dental) | Contact the Dental Nurse Tutor Ms Karen Dineen Mr. Sean Phelan

E [dentalnursertutor@dental.tcd.ie](mailto:dentalnursertutor@dental.tcd.ie) | T +353 1 612 7238/7341



# Dental Science

**B.Dent.Sc. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR052	589	32	5 years



## What is Dental Science?

Dental Science is the study of the oral cavity and the diseases associated with oral tissues. This five-year programme is designed to ensure that graduates can safely and effectively deliver the full range of primary dental care, including prevention, diagnosis and treatment of oral and dental diseases.

## Dental Science: The course for you?

If you have an ability to build caring and professional relationships with patients, co-workers and the wider community and if oral healthcare and its impact on individuals interests you, then Dental Science is right for you. You should also enjoy undertaking physically and mentally demanding clinical practice, which requires considerable attention to detail with small margins for error. The course is long (five years) and intense, requiring stamina and commitment.

## Dental Science at Trinity

This course is based in the Dublin Dental University Hospital situated on the Trinity campus. Clinical facilities are of a very high standard, emphasising the use of information technology. Class sizes are small, to ensure that students receive considerable staff input into their progress throughout the programme. Much of the teaching is delivered through problem-based learning and there is lots of hands-on clinical experience treating patients. Students are introduced to clinical practice in first year as observers and they commence treating their own patients (under supervision) in the second year. By the fifth year students are expected to have completed a wide range of treatments similar to those provided in general dental practice. Graduates of the Trinity School of Dental Science and Dublin Dental University Hospital are highly sought after due to the extensive clinical exposure obtained during the programme.

## Graduate skills and career opportunities

Graduates of the Dental Science programme in Trinity are widely recognised for their clinical experience and are highly sought after. There is a wide range of career options open to newly qualified dentists, from general dental practice providing both state-funded or private dental care, or in the salaried public dental service. Many graduates choose to continue their education, specialising in one area within dentistry. Dentistry gives scope to work and travel worldwide. Citizens of the EU who graduate from an EU dental school may practice anywhere in the EU and there is currently demand for dentists all over Europe.

## Your degree and professional practice (B.A., B.Dent.Sc.)

The Bachelor of Dental Science (B.Dent.Sc.) conferred by Trinity entitles EU citizens to register as a dentist on the Register of the Dental Council of Ireland and they may also register with the regulatory bodies of other countries in the EU.

Graduates wishing to practice in countries outside the EU may be required to pass specified examinations. However, there is a mutual recognition agreement between Ireland and Canada whereby Irish dental graduates may practice dentistry in Canada without the necessity to complete additional study.

## Your degree and what you'll study

The curriculum is largely delivered in a problem-based learning format, which aims to provide you with the skills to continuously evaluate and update your knowledge and clinical practice throughout your professional career. PBL encourages students to engage in self-directed learning and aims to provide graduates with the skills necessary for life-long learning, which is a requirement for all health care professionals. Lectures, demonstrations, simulations, audio-visual and e-learning opportunities are also provided. From second year onwards, you will provide patient care in the clinic under the strict supervision of qualified dental staff.



## Special Entry Requirements

<b>Leaving Certificate</b>	H3 + H4	In two of physics, chemistry, biology or physics/chemistry If you do not have a qualification in physics you must present mathematics at O5/H6 or better
<b>Advanced GCE (A Level)</b>	Grade B + Grade C	In two of physics, chemistry or biology If you do not have a qualification in physics you must present GCSE mathematics at grade B or better

Combinations of subjects not permitted:

Physics/Chemistry with Physics or Chemistry

All offers of admission to this course are made subject to health screening, see health screening page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

**Note:** All students are required to purchase a dental instrument kit during the second year of the programme.

The approximate cost of this is €3,000.

### First year modules

Personal and Professional Development, Human Biology I, Physical Science. During the second semester, you will begin observing on the clinic.

### Second year modules

Basic Dental Care, Human Biology II, Oral Biology and Introduction to Pathology, Public Dental Health.

In second year, you will develop particular communication skills, learning how to interpret and explain clinical signs and symptoms of systemic and oral disease with particular reference to dental practice, and begin to practice the clinical skills necessary for the treatment of patients. Clinical training begins half way through second year with students learning the vital basic skills of history taking, examination and diagnosis and will start providing very simple treatments for patients.

### Third year modules

Clinical Medical Sciences, Fixed and Removable Prosthodontics, Comprehensive Patient Care I.

### Fourth year modules

Comprehensive Patient Care II; Advanced Restorative Dentistry I, Child Dental Health; Oral Medicine, Oral Surgery and Oral Pathology I; Public Dental Health.

### Fifth year modules

Comprehensive Patient Care III, Advanced Restorative Dentistry II, Public and Child Dental Health, Oral Medicine, Oral Surgery and Oral Pathology II, Evidence-Based Dentistry.

During years 3 to 5, you will be encouraged to undertake the management of oral health and disease in your own patients is based on the best available scientific evidence. In tandem with this, you will also need an awareness of

general healthcare issues for individuals and communities. In these three years, you will provide more complex patient care.

In keeping with the PBL-style curriculum, a wide variety of assessment methods are used in all years. There are end-of-term integrated written assessments, practical tests, skills tests of competence, clinical examinations, written reports and oral/verbal presentations. The written assessments include short essays, short answer and multiple choice type questions.

### Study abroad

Students in fourth year may participate in English-speaking Erasmus exchange programmes with dental schools in Norway, Sweden or the UK. Between the fourth and fifth year, some students undertake voluntary placements in a wide variety of international locations.



#### WHAT OUR GRADUATES SAY

##### Jill Mc Ternan

Studying in Trinity has allowed me to make friends from all over the world and to learn from leading figures in the dental field. I have received an excellent education while still being able to partake in everything Trinity has to offer.

During your training there are opportunities for travel including Erasmus and volunteering abroad. In my fourth year, I volunteered in a Kenyan hospital providing much-needed dental care and education to local communities, which was both eye-opening and heart-warming experience.

Despite the heavy work load, I am glad I chose Trinity for my undergraduate education as Dental Science graduates are highly sought after in terms of employment due to our extensive clinical education.



**Get in touch!**

[www.tcd.ie/dental](http://www.tcd.ie/dental) | [info@dental.tcd.ie](mailto:info@dental.tcd.ie) | [T +353 1 612 7316](tel:+35316127316) / [+353 1 896 7301](tel:+35318967301)

# Dental Technology

**B.Dent. Tech. Ordinary Degree (NFQ Level 7)**

Course Code	CAO Points 2018	Places 2019	Duration
TR803	336	6	3 years



## What is a Dental Technician?

Dental technicians work in a laboratory which is usually remote from the dental clinic. Dental technicians work to the prescription of a dentist; they perform the laboratory aspects of dentistry – fabricating crowns and bridges, dentures, implants, maxillofacial and orthodontic appliances, which are intended for use by the patient. Dental technicians have good manual dexterity skills and are required to work with different materials for the fabrication of the various appliances. Dental technology is a changing field, with more emphasis on the use of CAD (Computer Aided Design)/CAM (Computer Aided Manufacturing) in the laboratory.

## Dental Technology: The course for you?

The study of dental technology will appeal to you if you are interested in science and art, combined with working in a team. If you have an interest in oral health and are simultaneously creatively minded then dental technology may be for you. A good background in basic sciences and a flair for art or good manual dexterity skills are essential to becoming an excellent dental technician. Dental technology also requires precise and scientific expression therefore, good writing skills are important.

## Dental Technology at Trinity

Trinity College Dublin is the only university in Ireland offering a degree in Dental Technology. The course is based in the Dublin Dental University Hospital, on the Trinity College campus, with state of the art facilities, including Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) of dental appliances in close proximity to the clinical environment. Class sizes are small, ensuring that students receive considerable staff contact and the staff are actively involved in student progress throughout the programme.





### This is a restricted entry course

Applications must be submitted by 1 February 2020.

Applicants will receive a questionnaire in April to be completed and returned.

### Leaving Certificate

Applicants are required to present six subjects including:

English, mathematics, and one of physics, chemistry, biology, agricultural science or physics/chemistry.

Of the six subjects presented, two must be of a standard of at least grade 4 on ordinary Leaving Certificate papers.

The remaining four subjects must be presented to a standard of at least grade 6 on ordinary Leaving Certificate papers.

### Mature Students

Applications may also be considered from mature applicants who do not satisfy the academic entry requirements but can demonstrate appropriate experience relevant to the course.

All offers of admission to this course are made subject to health screening, see health screening page 247.

Note: Students are required to purchase an instrument kit which costs approximately €650, this should strictly be paid for within 1 month of starting the course.

## Graduate skills and career opportunities

This course provides students with a well-rounded education in all aspects of dental technology whilst also challenging their ability to problem-solve. A Dental Technology degree provides the best foundation for the aspiring dental technician who may progress to work in a laboratory or be self-employed. Dental Technology offers the scope to work and travel abroad. The Dublin Dental University Hospital has recently introduced a postgraduate diploma in Clinical Dental Technology; one of the prerequisites to securing a place on this course is a qualification in Dental Technology.



## Your degree and what you'll study

Dental Technology at Trinity is a three-year ordinary degree programme. Most of the teaching takes place in the Dublin Dental University Hospital (DDUH). The main aim of the course is to educate and train students to become part of the dental team for the planning, designing and fabrication of intra-oral appliances. Dental Technology is divided into four main areas – fixed prosthodontics, complete denture technology, removable denture technology and orthodontic technology. In the first and second years, a dental technology student will spend much of their time (6-8 x 3 hour sessions per week) in the DDUH teaching laboratory. The course is very much hands-on right from the start. Student numbers are small (6), which facilitates practical training of this nature. There is a strong emphasis on student integration with Dental Science students and some modules are integrated accordingly.

In the third year, students are assigned to the production laboratory for experience in providing a service to patients and clinicians. This offers a competitive advantage over graduates from many other universities. Liaison with the dental science students and clinical staff is encouraged and students are advised to attend in the clinic to observe their completed work in situ. There is the opportunity for students to be placed in external laboratories and there is a possibility of Erasmus exchange in this year too. Students will be busy throughout the year preparing a dissertation, which is presented at the end of the year in addition to a case portfolio of the practical work which the student has carried out over the course of the year.

### First year

- Fixed Prosthodontic Technology and Occlusion and Function
- Complete and Removable Partial Denture Technology
- Orthodontic Technology
- Physics
- Chemistry

### Second year

- Fixed Prosthodontic Technology
- Complete Denture Technology
- Orthodontic Technology
- Removable Partial Denture Technology
- Materials Science
- Business Studies

### Third year

- Fixed Prosthodontic Technology
- Complete Denture and Removable Partial Denture Technology
- Orthodontic Technology
- Dissertation



## Get in touch!

[www.tcd.ie/dental](http://www.tcd.ie/dental)

Contact: Course Administrator Natalie McGettigan | [E natalie.mcgettigan@dental.tcd.ie](mailto:natalie.mcgettigan@dental.tcd.ie) | [T +353 1 612 7361](tel:+35316127361)

# Orthodontic Therapy

(non-CAO)

Professional Diploma, Higher Diploma (NFQ Level 8)

Course Code	CAO Points 2018	Places 2019	Duration
Non-CAO	Non-CAO	8	12 months



## What is an Orthodontic Therapist?

Orthodontic therapists are registered dental healthcare professionals who carry out certain parts of orthodontic treatment. These are treatments which may only be carried out under the supervision of a dentist registered in the orthodontic division of the Register of Dental Specialists. The orthodontist examines the patient and indicates to the orthodontic therapist the course of treatment to be provided. All dental work carried out by the orthodontic therapist must be inspected and approved by the orthodontist.

## Orthodontic Therapy: The course for you?

If you are a qualified dental hygienist or dental nurse, currently registered with the Dental Council and with at least two years' workplace experience in an orthodontic practice or a public health orthodontic clinic, then this could be the course for you. You should be highly motivated, with excellent manual dexterity, a willingness to learn and good communication skills. You also need the written support of a qualified orthodontist trainer.

## Orthodontic Therapy at Trinity

This course is based in the Dublin Dental University Hospital beside Trinity's campus. Clinical facilities are of a very high standard. Class sizes are small, so that students receive considerable staff input into their progress throughout the programme. The course is very practical throughout, allowing students to progressively develop practical clinical skills. Graduates of the Trinity School of Dental Science and Dublin Dental University Hospital are highly sought after due to the extensive clinical exposure obtained during this programme.

## Career opportunities

The Professional Diploma in Orthodontic Therapy conferred by Trinity entitles graduates to register immediately after graduation as an orthodontic therapist on the Register of the Irish Dental Council. Most orthodontic therapists work in specialist orthodontic practices or within specialist orthodontic units/departments in the public health service. The opportunity exists to teach or become involved in research. The opportunity to work abroad also exists, but may require you to sit some local examinations in the country of choice.

## Your degree and what you'll study

The course covers the following modules delivered over **12 months**:

Professional Development, Biomedical Sciences, Principles of Orthodontics, Orthodontic Records, Communication and Patient Motivation, Removable Orthodontic Appliances, Fixed Orthodontic Appliances.

### Assessment

Students are required to complete a portfolio of experience which includes;

- A) a clinical logbook, two case presentations and five interim tests/assignments, and three written examinations
- B) a final examination which consists of a clinical case, an oral examination, a written examination and an OSCE.





Check Dental School website in early January for course information and how to apply:  
See: [www.tcd.ie/dental](http://www.tcd.ie/dental)

Applicants must satisfy the following prerequisites:

- › Dental Hygiene or Dental Nursing qualification
- › Current registration with the Dental Council
- › Professional indemnity insurance
- › Negative HBsAg and Hepatitis C antibody test result
- › Garda (Police) vetting
- › Current BLS certificate

Candidates must have at least two years' full-time workplace experience in a private orthodontic practice or a public health orthodontic clinic and be registered with the Dental Council.

Written support from a suitably qualified orthodontist trainer, registered with the Dental Council, is required.

The Orthodontist trainer is required to attend for interview alongside their applicant.

Trainers must attend a 'Training the Trainers' course prior to the start of the Diploma.

All offers of admission to this course are made subject to health screening, see health screening page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.



## Get in touch!

[www.tcd.ie/dental](http://www.tcd.ie/dental)

Contact: Course Administrator Natalie McGettigan | E [natalie.mcgettigan@dental.tcd.ie](mailto:natalie.mcgettigan@dental.tcd.ie) | T +353 1 612 7361



# Human Health and Disease

**B.Sc. Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR056	542	35	4 years



## What is Human Health and Disease?

The Human Health and Disease degree trains students for work in the field of biomedical research.

It brings to life the fascinating connections between structure and function in the human body and explores the health and disease continuum in detail, including teaching on how medical therapies act to treat or even prevent disease. As an example, understanding brain structure and biochemistry allows us to appreciate how neurons communicate and this in turn is helping biomedical researchers and clinicians to identify new and effective ways to treat and prevent diseases such as dementia.

A central feature of the learning experience is the development of a core set of real-life, transferable skills in the following areas: laboratory technique, group project work, data analysis, public presentation, report writing, research methodology and critical thinking.

## Human Health and Disease: The course for you?

This course will suit you if you are interested in human biology and want to gain an in-depth, scientific understanding of the structure and function of the human body in health; the signs and symptoms of disease; the molecular basis of disease and cutting edge therapeutics in treating disease. Biomedical research is a fast-paced discipline and our course delivers an up-to-date appreciation of current knowledge in this field and encourages students to foster their analytical study skills and critical thinking to keep up to date with the latest developments.

## Human Health and Disease at Trinity

This is a programme of multidisciplinary study and training in basic and applied biomedical science provided by the School of Medicine in partnership with the School of Biochemistry and Immunology, with collaborators from across Trinity and beyond. The majority of classes take place in the excellent teaching and laboratory facilities in Trinity Biomedical Sciences Institute and in final year, students will conduct a research project in an academic research laboratory in this institute, on main campus or in one of the affiliated teaching hospitals.

## Graduate skills and career opportunities

The course emphasises the crucial links between the basic and applied biomedical sciences and addresses how advances in both are translated into improvements in patient care and the health of the wider population. The skills developed during this course make graduates ideally suited to a broad range of career opportunities. Graduates of Human Health and Disease are well-placed to pursue postgraduate M.Sc. degrees in a wide range of biomedical sciences, Ph.D. research leading to careers in biomedical research, and for graduate entry to study medicine. Career prospects also include employment in the pharmaceutical and biotechnology industry and in health promotion, education and policy.



## Special entry requirements

Leaving Certificate	H4	Biology
	H4	In one of physics, chemistry, physics/chemistry
Advanced GCE (A Level)	Grade C	Biology
	Grade C	In one of physics, chemistry



## Your degree and what you'll study

The degree is structured around three main interconnecting themes, namely:

- 1) **Basic human biology**
- 2) **Applied biomedical science and**
- 3) **Transferable skills and Trinity graduate attributes.**

### First and second years

You will study the structure and function of the human body from a 'molecule to man' perspective through lectures, tutorials and laboratory classes in cell biology, biochemistry, physiology and anatomy (including dissection). Modules based on critical thinking, problem-based learning, presentation skills and research and statistics will further contribute to the development of a core skill set, as outlined above.

### Third and fourth years

In the third and fourth years, a combination of modules which cover the nature, classification, diagnosis, prevention and treatment of disease are taken. Disease is considered from the basic molecular level through to its context in society in terms of research and public health priorities and correlates. Delivery of clinically focused material by specialist clinicians is included.

As a fourth-year student, you will undertake advanced modules on the molecular basis of disease and cutting-edge advances in biomedical science. A major component of the fourth year will be a comprehensive laboratory-based project in biomedical research supervised by leading researchers in Trinity and its affiliated teaching hospitals in Dublin. It may be possible for students to apply for selection via a competitive process to undertake this project at an ERASMUS partner institute. Project topics are varied and include, to name but a few, cancer biology, neuroscience, tissue engineering, gastrointestinal disorders, autoimmune disease, epidemiology and public health research.

### Assessment

Individual and group-based continuous assessment of laboratory work, group project work and scientific writing skills accompanies semesterised examinations.

### Study abroad

The Human Health and Disease degree programme has formal Erasmus exchange agreements with the Biomedicine Bachelor's programmes at the prestigious Karolinska Institutet in Stockholm, Sweden, and the University of Gottingen in Germany and students may, on a competitive basis, avail of the opportunity to complete their final year project in a leading international laboratory in either Stockholm or Gottingen.



#### WHAT OUR GRADUATES SAY

##### Hannah Prendeville

I chose to study Human Health and Disease because of its interdisciplinary nature, to gain an understanding of a broad range of scientific themes and to inspire and direct me to where I am today. Looking back, I can appreciate how this course has helped me further my career, but would also look impressive to employers in a variety of sectors. For me, the research project provided invaluable laboratory experience but also taught me transferable skills in presentations, statistical analysis and project management which gives its graduates that advantage to succeed in many professions.

The Human Health and Disease B.Sc. ignited my excitement for scientific research, and as a current Ph.D. research student, I can confidently say that it appropriately equipped me to succeed in a research career.



**Get in touch!**

[www.tcd.ie/medicine/physiology/undergraduate/hhd/](http://www.tcd.ie/medicine/physiology/undergraduate/hhd/)

# Human Nutrition and Dietetics

**B.Sc. (Hum. Nut. And Diet.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Duration
DT223	556	4 years



This programme is jointly awarded by Trinity College Dublin and Technological University of Dublin, TU Dublin.

## What is Human Nutrition and Dietetics?

This four-year full-time course is run jointly by the Technological University Dublin, TU Dublin. Students are registered in both institutions and have access to all services across the two institutions. The course provides an integrated education on the science of nutrition and practice of dietetics and their application to human health and well-being.

On successful completion, the B.Sc. honors degree in Human Nutrition and Dietetics is awarded jointly by Trinity and TU Dublin. Nutrition is a branch of science devoted to the study of nutrients. It spans a broad-ranging area, overlapping with many other disciplines including biochemistry, physiology, cell biology, dietetics, medicine, communications and public health.

Dietetics is the application of our knowledge of food and nutrition to promote health, prevent disease and contribute to the management of disease.

This course is the only undergraduate programme leading to a qualification in dietetics in the Republic of Ireland. The degree is recognised by the Irish Nutrition and Dietetic Institute (INDI), the British Dietetic Association (BDA) and The Nutrition Society.

## Human Nutrition and Dietetics: The course for you?

It is important that students on this programme have a strong interest in science subjects and the relationship between food and health. Students should also be willing to work in a hospital environment and have good interpersonal skills. The course will place considerable demands on students' time, particularly when clinical placement is ongoing.

## Graduate skills and career opportunities

When you graduate, you will be well placed to find work as a dietitian in a hospital or in the community. You will also be qualified to work in a food company or in clinical nutrition product sales and marketing. Some of our graduates have also chosen academic careers in research or education.

## Your degree and what you'll study

The modules in this course enable the acquisition of scientific knowledge relevant to human nutrition and dietetics, the development of analytical and critical thinking, and the integration of theory into practice. This programme also develops the ability of students to work and communicate with others in an ethical and adaptable manner, and to foster their skills in research and development.

## First and second years

During the first and second years you will develop a broad understanding of the relevant pre-clinical subjects. You will study: clinical chemistry, physiology, biochemistry, microbiology/immunology, food studies, nutrition science, epidemiology, nutrition through the life cycle, communications, behavioural science, research methodology and statistics, and professional practice studies.

## Third and fourth years

In the third and fourth years, foundation subjects are strengthened (research methods), specialist subjects are introduced (management, medicine and therapeutics, medical science) and the degree subjects studied to an advanced level (nutrition, dietetics). You will undertake a three-month research project in fourth year, with the option to carry this out in a partner European or American university.

## Clinical Placements

To become a registered dietitian, students must successfully complete 3 clinical placements. Students go on placement in first, second and fourth year of the programme, and placements range in duration from 4 weeks to 14 weeks. All placements take place in hospitals and primary care centres across the country, and relocation on the part of the student may be required to complete placement.

## Assessment

End-of-year written examinations, together with continuous assessment of course work, practical work and assignments make up the assessment process. Oral examinations are conducted in some subjects. Continuous assessments are carried out during clinical placements. You will also write a thesis to report the results of your final-year research project, and present and defend this in an oral presentation.





### Special Entry Requirements

This is a joint course between Trinity and the Technological University of Dublin, TU Dublin.

For full details of admission requirements contact the TU Dublin.

Students are required to undergo Garda vetting and health screening before clinical placements can proceed. Please see page 247 for more information.

### Application Procedure

In addition to standard CAO applications, mature entry applications are considered.

Further details are available from:

The Admissions Office

Technological University of Dublin, TU Dublin

143-149 Lower Rathmines Road, Dublin 6

[www.dit.ie/study](http://www.dit.ie/study) | E [admissions@dit.ie](mailto:admissions@dit.ie) | T +353 1 402 3445

Applications from international non-EU students should be directed to:

The International Student Office

Dublin Institute of Technology

143-149 Lower Rathmines Road, Dublin 6

[www.dit.ie/international/](http://www.dit.ie/international/)



### Get in touch!

[www.tcd.ie/medicine/nutrition-dietetics](http://www.tcd.ie/medicine/nutrition-dietetics) | [www.dietitian.ie](http://www.dietitian.ie)

Additional general information about nutrition and dietetics can also be obtained from:

The Irish Nutrition and Dietetic Institute [www.indi.ie](http://www.indi.ie) | The Nutrition Society [www.nutritionandsociety.org](http://www.nutritionandsociety.org) | CORU [www.coru.ie](http://www.coru.ie)

# Medicine

**M.B. (Bachelor in Medicine), B.Ch. (Bachelor in Surgery),  
B.A.O. (Bachelor in Obstetrics).**

**Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR051	731	121	5 years



## What is Medicine?

Medicine is a unique course in that students study a broad range of subjects with the overarching objective of understanding the science and practice of healing. In today's world, medicine and the practice of healthcare are constantly evolving as new knowledge and therapies emerge to maintain and restore health through the prevention and treatment of illness. Each day brings a new patient with new challenges.

## Medicine: The course for you?

The medical programme at Trinity is a challenging but highly rewarding experience. A student wishing to study medicine requires an enquiring mind, the capacity to acquire and maintain high levels of knowledge, the ability to develop effective communication skills in order to respond to the health needs of individuals, families and communities and an interest in improving healthcare at all levels.



### WHAT OUR CURRENT STUDENTS SAY

#### Katie Valentine

I've found that there's a unique sense of community within Trinity Medicine which spans across all five years, and the environment is such a welcoming one in which to learn. I'd definitely recommend studying Medicine at Trinity if you're looking for an immersive and broad experience, to stimulate your curiosity and encourage you to think outside the box!

## Medicine at Trinity

Founded in 1711, the School of Medicine at Trinity has played a central role in the golden age of Irish medicine and is ranked in the top 100 universities in the world for Medicine (QS World University Rankings 2019).

Students of medicine at Trinity will follow a five-year programme. Following graduation you are required to spend one year as an Intern in an approved post before becoming a fully registered medical practitioner.

## Graduate skills and career opportunities

As a doctor, you will have plenty of options to choose from when it comes to making a decision about your career. In Ireland, many graduates wait until their year as an intern is complete before committing to one area over another. Some then enter general practice, while many more continue their training as a general physician or surgeon, or in a related specialist field. Alternatively, you might, as others have done, prefer to work in an area such as hospital management, or make research your priority by opting for a career in academic medicine.

## Your degree and what you'll study

### First, second and third years

Students study the biomedical sciences to create an understanding of the knowledge underlying medicine and begin clinical science in the first term through the Family Case Study. Teaching is a combination of problem based learning in the first year, small group teaching (12-14 students), lectures and practical demonstrations.

Self-directed learning and use of e-learning are encouraged throughout the course. The majority of the teaching in first and second year takes place at the School of Medicine, Trinity Biomedical Sciences Institute at the main University campus, with the remainder in the hospital setting. Third year combines the taught course programme and an extensive hospital placement programme in order to advance and integrate clinical skills.

### Medical moderatorship and intercalated M.Sc. in biomedical sciences

On successful completion of the third year, you may be permitted to take a year out from the medical course to undertake a moderatorship in science in an approved subject. This is subject to the availability of places and the agreement of the head of department concerned. An intercalated M.Sc. in Biomedical Sciences is also available to medical students who successfully gain a 1st or 2:1 in year 3 modules. The M.Sc. is a one-year full-time programme.

### Fourth and fifth years

During these two years the student becomes an integrated member of each team to which he/she is attached and is expected to participate fully in all aspects of that team's activities. This expectation will inevitably involve some early morning and late evening work. The majority of hospital attachments take place in St. James's Hospital and Tallaght Hospital, Dublin; however, some training also takes place in regional hospitals around Ireland, in hospitals dedicated to particular areas of medicine and in general practices associated with the School.



Applicants must also register for the HPAT-Ireland admission test by 20 January 2020 (via: [www.hpat-ireland.acer.edu.au](http://www.hpat-ireland.acer.edu.au)).

Students must achieve all grades required for minimum entry requirements and course requirements in **one sitting** of their Leaving Certificate/Matriculation/Advanced GCE (A Level) examinations. See note 3B (page 250) for further details.

### Special Entry Requirements

Leaving Certificate	H3 + H4	In two of physics, chemistry, biology, physics/chemistry or agricultural science If you do not have a qualification in physics you must present mathematics at O4/H6 or better
Advanced GCE (A Level)	Grade B + Grade C	In two of physics, chemistry or biology If you do not have a qualification in physics you must present GCSE mathematics at grade B or better

Combinations of subjects not permitted:

Physics/chemistry with physics or chemistry

Agricultural science with biology

See page 247 for vaccination requirements with regard to Hepatitis B, Hepatitis C and Tuberculosis.

Students will be required to undergo Garda vetting, see page 247 for further details.

Note: Students will need to purchase a stethoscope (€60+), while students on placements outside Dublin will have additional travel and accommodation costs.

Further detailed information in relation to the curriculum is available at:

[www.tcd.ie/medicine/ug-med](http://www.tcd.ie/medicine/ug-med)

#### Teaching hospitals

Trinity's two main general teaching hospitals, St. James's Hospital and Tallaght Hospital, are up-to-date tertiary level hospitals. They have several specialist units. Specialist affiliated hospitals include:

Blackrock Clinic, Coombe Women and Infants University Hospital, Hermitage Medical Clinic, Naas General Hospital, National Rehabilitation Hospital, Noble's Hospital, Our Lady's Children's Hospital (Crumlin), Our Lady's Hospice and Care Services (Harold's Cross and Blackrock), Peamount Hospital, Royal Victoria Eye and Ear Hospital and St. Patrick's University Hospital.

#### Assessment

The assessment structure is wide and varied and includes in-course assessment of practical and clinical skills, as well as case studies, research projects, formal written and oral examinations and objective structured clinical examinations. Formative assessment and reflective practice are also used to promote the personal development of the student and inform teaching and learning.

### Study abroad

The School of Medicine has a strong international network and students have the opportunity to gain experience overseas as part of the electives programme. Students are required to complete clinical electives totalling 12 weeks by the final medical year and these can be undertaken in a hospital, clinic or research laboratory of the student's choice at home or abroad.

### Intern year

On completion of the medical degree course a doctor must successfully complete training for one year as a resident medical officer/intern in a recognised post before being eligible for full registration with the Irish Medical Council. A national application and matching process is in place for Intern posts in Ireland. This is currently managed by the HSE. Graduates undertaking internship/residency outside of the Republic of Ireland will be required to register and meet the eligibility criteria of the relevant governing body in that jurisdiction.



**Get in touch!**

[www.tcd.ie/medicine](http://www.tcd.ie/medicine) | [E medadmin@tcd.ie](mailto:medadmin@tcd.ie) | [T +353 1 896 1075](tel:+35318961075)



# Midwifery

**B.Sc. (A.Obs.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR913	455	44	4 years



## What is a Midwife and Midwifery?

The term 'midwife' means 'with woman'. As a midwife, you will be helping women and their families at one of the most crucial times of their lives, supporting the woman during pregnancy, childbirth and the post-natal period. Midwives play a vital role in promoting and maintaining health, facilitating normal childbirth and helping women make informed choices about their care. The midwife is the key professional providing continuity of care and promoting choice and control to women in pregnancy and birth, and to women and their babies following birth. The core concepts of the midwifery profession are of:

- Normality: Childbirth is viewed as a normal event in the life cycle, a normal healthy event
- Woman-centred: The focus of midwifery practice is pregnant women and their families and delivering care in woman-centred maternity services.

- Respect: midwifery care is delivered in a manner that respects the uniqueness and dignity of each person regardless of culture or religion.
- Partnership: partnerships between the woman and the midwife is fundamental to midwifery practice. It is based on mutual trust, support and collaboration, which facilitates informed choice and decision-making and the empowerment of both the woman and the midwife.
- Client first: decisions about an individual midwife's scope of practice should always be made with the woman's and her family's best interests foremost and in the interest of promoting and maintaining best quality maternity services for women and their families.
- Evidence based: midwifery practice is based on the best available evidence.
- Advocacy: midwifery practice involves advocacy for the individual woman and her family.

## Midwifery: The course for you?

Midwives often describe their job as 'privileged'. The role they have in preparing women for the birth of new life makes them a vital presence during all stages of pregnancy, labour and the early postnatal period.

If you want a rewarding and respected career with great employment and travel opportunities, then the professional course in midwifery could be for you.

## Midwifery at Trinity

The School of Nursing and Midwifery, Trinity College, has a world renowned reputation and courses are taught by academics at the top of their profession. The School is ranked 1st in Ireland and in the top 50 universities in the World in the QS World University Subject rankings 2019. You will have the opportunity to meet and mix with students from Ireland and abroad and form cohesive bonds throughout your time with us.

We also offer opportunities to study abroad and have a large suite of postgraduate courses available to our graduates to facilitate further study needs.

## Graduate skills and career opportunities

On completion of this course, the student will be eligible to apply for registration as a midwife on the midwives division of the Nurses and Midwives Register with the Nursing and Midwifery Board of Ireland. The course offers an excellent foundation for career advancement in midwifery and further health related studies. It facilitates learning across wide and varied experiences and promotes flexibility for employment within and outside the health services.



## Special Entry Requirements

Leaving Certificate	O/H6	Mathematics
	O/H6	In one of biology, physics, chemistry, physics/chemistry or agricultural science
GCSE	Grade C	Mathematics
	Grade C	In one of biology, physics or chemistry

Students will have to undergo a health screening, see page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

## Mature Students

Applications must be received by the CAO by 1 February of the proposed year of entry.

You are not required to submit a mature-student supplementary application form to Trinity.



## Your degree and what you'll study

This four-year course will cover such areas as:

Midwifery practice – knowledge and skills; communication and interpersonal skills; professional, personal, ethical and legal issues; Knowledge base for midwifery practice to include: biological sciences, psychology, pharmacology, non-pharmaceutical approaches; social theory for midwifery practice; research; health promotion; maternal and social care services in Ireland.

You will begin your first midwifery clinical placement in October of the first year of the course. The first three years combine learning in university and clinical midwifery practice in the maternity hospitals and will take place during the academic year with the usual academic holidays. The final year will include a 36-week period of internship in midwifery practice.

The majority of the theoretical component of the course will be taught in the Trinity School of Nursing and Midwifery building, which is located on D'Olier Street, minutes from the main campus. Classes are also held on other sites including the main Trinity College and in the Trinity Centre for Health Sciences in St. James's Hospital. Teaching methods include lectures, small-group teaching, tutorials and practice classes.

The course is offered in partnership with two linked maternity care providers: The Coombe Women and Infants University Hospital and The Rotunda Hospital. Each midwifery student will be allocated all of their midwifery clinical placements throughout the four years at one of these maternity hospitals. Some placements may also occur in other sites including the Midlands Regional Hospital, Portlaoise.

You will be required to complete clinical placements each year, which will consist of 30-35 hours (approximately) supernumerary practice per week in a practice setting. Midwifery students will also undertake other clinical placements, for example, community midwifery, mental health, medical and surgical. The final year will include a 36-week period of internship in clinical midwifery practice.

## Assessment

Assessment of learning in midwifery practice is an important component of the course and will take place throughout the course.

## Optional international placements/ opportunities during training:

The Erasmus programme enables students to study at another European university as part of their university degree. This is an exciting opportunity for students to experience a core clinical placement in another European Union

healthcare system for a maximum period of eight weeks duration. Erasmus exchange takes place in semester two of second year and semester one of third year.

We have partnerships with many EU universities for our various nursing and midwifery courses. Students currently have the opportunity to go on Erasmus to the following (dependent upon profession or nursing discipline): University of Malta; LUND University, Sweden; University of Northern Denmark, Aalborg, Denmark; University of Applied Science, Maastricht, Netherlands. New sites are added every year. Non-European sites are planned from 2020.

Scholarships are currently offered for a short summer programme in the United States.



[www.nursing-midwifery.tcd.ie/](http://www.nursing-midwifery.tcd.ie/) | [E nursing.midwifery@tcd.ie](mailto:nursing.midwifery@tcd.ie) | [T +353 1 896 2692](tel:+35318962692)  
[www.facebook.com/tcd.nursing.midwifery](https://www.facebook.com/tcd.nursing.midwifery) | [@TCD\\_SNM](https://twitter.com/TCD_SNM)

# Nursing

## B.Sc. (Cur.) Honors Bachelor Degree (NFQ Level 8)

### General Nursing, Mental Health Nursing, Intellectual Disability Nursing, Children's and General Nursing (Integrated)

Course Code	CAO Points 2018	Places 2019	Duration
TR091 General Nursing	408	109	4 years
TR093† General Nursing, Adelaide	399	33	4 years
TR095 Mental Health Nursing	382	59	4 years
TR097 Intellectual Disability Nursing	368	32	4 years
TR911 Children's and General Nursing (Integrated)	463	26	4 years

### What is a Nurse?

The role of the nurse is to provide evidence-based, culturally-sensitive care in order to assist the individual to lead an independent healthy lifestyle, overcome ill health or experience a peaceful death. The nurse achieves this through working as part of a professional multidisciplinary team to provide primary healthcare, acute hospital care, community and home and continuing care, based on individual and population health needs across the lifespan.

Students of nursing learn about caring and the complexities of health and illness through interactive teaching and learning strategies in the classroom and the healthcare environment. Practice (clinical and community) experience provides the student with opportunities to integrate the art and science of nursing and promotes the development of caring relationships with patients and their families/significant others.

The four-year nursing courses (Children's and General integrated is 4.5 years) are offered in partnership with six health service providers. Trinity's six linked health service providers for this course are:

#### General nursing

- Tallaght University Hospital
- St. James's Hospital

#### Mental health nursing

- HSE South & West Dublin, Kildare, Wicklow, Mental Health Services
- St. Patrick's Mental Health Services

#### Intellectual disability nursing

- Stewart's Care, Palmerstown
- Muiriosa Foundation, Moore Abbey

#### Children's and general nursing

- Children's Health Ireland (CHI) at Tallaght

### Nursing: The course for you?

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 the professional course in nursing could be for you.

A genuine interest in people and a desire to care for others are core requirements for any individual who wishes to become a nurse. In addition you will need to have a keen interest in healthcare and be capable of working as part of a team. Like all professional courses in health sciences, nursing places extra demands on students' time. It can be demanding, both physically and emotionally and so you should ensure that you are in a position to fully engage with the course during your time in Trinity.

### Nursing at Trinity

The School of Nursing and Midwifery, Trinity College, has a world renowned reputation and courses are taught by academics at the top of their discipline and profession. The School is ranked 1st in Ireland and in the top 50 universities in the World in the QS World University Subject rankings 2019. With over one thousand undergraduate nursing students in Trinity, you will become part of a vibrant student community – the School of Nursing and Midwifery, Trinity College Dublin, is the largest School of Nursing and Midwifery in the country.

Nursing students are taught theory predominantly in the School of Nursing and Midwifery building on D'Olier Street, which is a wonderful historic building in the heart of the capital. The School is a great place to learn and interact with classmates and with its close proximity to Trinity's main campus, nursing students are never far from the centre of student life.



### Graduate skills and career opportunities

Graduates from the Trinity School of Nursing and Midwifery will be competent, innovative and caring professionals who are capable of leading change, shaping policy and responding to an ever evolving healthcare environment.

You will be qualified to continue your education and further specialise should you wish to do so. The Trinity School of Nursing and Midwifery offers a wide range of postgraduate courses for furthering your studies.



## Special Entry Requirements

Leaving Certificate	O6/H6	Mathematics
	O6/H6	In one of biology, physics, chemistry, physics/chemistry or agricultural science
GCSE	Grade C	Mathematics
	Grade C	In one of biology, physics or chemistry

Students will have to undergo a health screening, see page 247.

‡ See note 13, page 251.

Students will be required to undergo Garda vetting, see page 247 for further details.

## Mature Students

Applications must be received by the CAO by 1 February of the proposed year of entry.

You are not required to submit a mature-student supplementary application form to Trinity.

However, you will be invited to attend a written assessment by the Nursing Careers Centre.

## Your degree and what you'll study

This course will provide you with the knowledge, skills, attitudes and professional values necessary to provide high-quality, competent and caring practice in your chosen discipline of nursing. There are two components to the nursing degree course; a theoretical component and a practice (clinical/community) component.

### Theoretical component

The theoretical component will be taught in the Trinity School of Nursing and Midwifery building, the main Trinity campus and in the Trinity Centre for Health Sciences in St. James's Hospital. Teaching methods include lectures, tutorials, practical classes, clinical skills laboratories, group teaching, web-based learning and reflective workshops.

### Practice (clinical/community) component

For the practice component you will be linked with one of the health service providers and also have clinical/community placements in a variety of settings. During the fourth year of the course you will undertake a 36 week roster of continuous placement. This placement spans the fourth and fifth years of the integrated children's and general nursing integrated course.

### General nursing

As key members of the interdisciplinary healthcare team and in partnership with patients, general nurses provide for the physical, psychological, social, cultural and spiritual well-being of persons with acute or chronic physical illness.

The general nurse achieves this through working as part of a professional multidisciplinary team to provide primary health care, acute hospital care, home and continuing care, based on individual and population health needs across the lifespan.

- Medical nursing
- Surgical nursing – general/specialist (including critical care nursing)
- Emergency department and outpatients nursing
- Children's nursing

- Mental health nursing
- Care of the older person nursing
- Community nursing and primary healthcare
- Operating theatre
- Maternity care
- Management and leadership

Students who successfully complete this course will be eligible to apply to register with the Nursing and Midwifery Board of Ireland as a Registered General Nurse (R.G.N.)



## Get in touch!

[www.nursing-midwifery.tcd.ie/](http://www.nursing-midwifery.tcd.ie/) | [E nursing.midwifery@tcd.ie](mailto:nursing.midwifery@tcd.ie) | [T +353 1 896 2692](tel:+35318962692)

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### Mental health nursing

Mental health nursing is a highly rewarding specialist nursing discipline. As a mental health nurse you will work with people who experience mental health difficulties in a variety of contexts. Mental health nurses work in partnership with the person and their family/ advocate to enable them to mobilise their own inner as well as professional resources, in a way that promotes personal growth, maximum development of potential and recovery.

- › Mental Health nursing (inpatient mental health services)
- › Mental Health nursing in the Community
- › Specialist Mental Health nursing
- › Mental health in older life
- › Adult General nursing
- › Management and leadership

Students who successfully complete this course will be eligible to apply to register with the Nursing and Midwifery Board of Ireland as a Registered Psychiatric Nurse (R.P.N.)

### Intellectual disability nursing

The intellectual disability nurse is a professional, who works autonomously and collaboratively to provide person-centred care and support to persons of all ages, with a variety of abilities and capabilities. The intellectual disability nurse employs skilled interpersonal approaches and therapeutic interventions to provide this care across various states of health and well-being and promoting wellness. The values and skills inherent in the nursing programme enables the intellectual disability nurse to support and empower people with and intellectual disability across their lifespan, building relationships with the person and their families grounded in human rights, inclusion, advocacy and support to live as independent a life as possible.

Students who successfully complete the theoretical and practice component of the course will be eligible to apply to register with the Nursing and Midwifery Board of Ireland as a Registered Intellectual Disability Nurse (R.N.I.D.)

### Children's and general nursing

A Registered Children's Nurse (R.C.N.) is responsible for promoting optimum health and for preventing ill health amongst children up to the age of 18, intervening where appropriate to provide holistic care for children and families.

In conjunction with the general nursing components of the course (listed above), students undertaking the children's and general nursing (integrated) course will also study the following:

- › Medical nursing of infants, children and adolescents within a family-centred framework (general and specialist placements)
- › Surgical nursing of infants, children and adolescents within a family-centred framework (general and specialist placements)
- › Accident and Emergency nursing of infants and children within a family-centred framework
- › Operating Theatre nursing of infants, children and adolescents within a family-centred framework
- › Mental Health issues for children and adolescents and their families
- › Community nursing within a family-centred framework
- › Maternity and Neonatal Care within a family-centred framework

Students who successfully complete this course will be eligible to apply to register with the Nursing and Midwifery Board of Ireland as a Registered Children's Nurse (R.C.N.) and Registered General Nurse (R.G.N.)







### Which health service provider will you train with?

When you accept an offer for one of the nursing courses you will receive orientation information from Trinity College. This information contains a form asking you to indicate which health service provider you would prefer to be linked with. Requests are dealt with on a first-come, first-served basis. Where possible you will be assigned your first choice. If the number of applicants exceeds the number of places available, you will be assigned your second choice. A reserve list is held and if a vacancy arises it may be possible to transfer to your first choice. Most students are allocated their first choice of health service provider.

### Modules of study

For a full list of modules please see our website: [www.nursing-midwifery.tcd.ie/undergraduate/index.php](http://www.nursing-midwifery.tcd.ie/undergraduate/index.php)

### Assessment

A combination of examinations, essays, clinical projects, clinical skills, laboratory techniques, literature reviews, reflective practice and clinical assessments are used.

### Optional international placements/ opportunities during training

The Erasmus programme enables students to study at another European university as part of their university degree. This is an exciting opportunity for students to experience a core clinical placement in another European Union healthcare system for a maximum period of eight weeks duration. Erasmus exchange takes place in semester two of second year and semester one of third year.

Students currently have the opportunity to go on Erasmus to the following (dependent upon profession or nursing discipline): Turku University of Applied Sciences, Finland; University of Malta; University of South Wales; LUND University, Sweden; University of Northern Denmark, Aalborg, Denmark; Hanze University College, Groningen, Netherlands; University of Applied Science, Maastricht, Netherlands; Wolverhampton University, UK. New sites are added every year. Non-European sites are planned from 2020.

Scholarships are currently offered for a short summer programme in the United States.

### Other courses you might enjoy

TR913: Midwifery, page 220



## Get in touch!

[www.nursing-midwifery.tcd.ie/](http://www.nursing-midwifery.tcd.ie/) | [E nursing.midwifery@tcd.ie](mailto:nursing.midwifery@tcd.ie) | [T +353 1 896 2692](tel:+35318962692)

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# Occupational Therapy

**B.Sc. (Cur. Occ.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR054	507	40	4 years



## What is Occupational Therapy?

The main goal of occupational therapy is to enable people to participate in meaningful activities of everyday living, for example, self-care, work and leisure activities. By enabling people to engage in activities that hold meaning for them, occupational therapists aim to enable people to improve their day-to-day quality of life.

Occupational therapists work in a variety of settings, including community, hospitals, rehabilitation units, schools, universities and reform centres. Examples of what occupational therapists do include:

- › Adapting the home of an elderly person to make it easier and safer for him/her to use.
- › Working with people with depression and schizophrenia using activities such as cooking a meal to foster a sense of achievement, develop personal skills and facilitate successful experiences.
- › Using play activities to improve the play and movement skills of children with cerebral palsy.
- › Running life-skills programmes that enable people with intellectual disabilities to develop skills such as budgeting so that they can live more independently in the community.
- › Enabling people to select and effectively use equipment and appliances, including wheelchairs, dressing aids, computers and other assistive technology, to increase their independence.
- › Assessing the ability of someone with acquired brain injury to return to work and then modify that person's work (the job itself and the workplace) to enable this, where possible, to happen.

Occupational therapy interventions consider:

- › The individual person – improving or maintaining their level of physical, cognitive (thinking), affective (emotional) and social ability.

- › The occupation – examining the self-care, leisure and work-related activities that people value in their daily lives and making changes to these activities so that they better meet the individual's abilities.
- › The environment – manipulating or adapting the physical environment so that it does not impede but, if possible, enhances performance; and influencing the social, cultural and institutional environment in ways that enable people to live as independent a life as possible and reach their full potential.

## Occupational Therapy: The course for you?

This is the right course for you if you are a creative thinker who is open to finding solutions to a multitude of problems and if working with people with diverse abilities is something you enjoy and find stimulating. The course requires a high level of independent self-directed learning across a variety of academic modules as well as the completion of the mandatory practice education placements. Visiting an occupational therapy department will give you more understanding of what is involved in this profession.



## Special Entry Requirements

Leaving Certificate	H4	In one of physics, chemistry, biology, physics/chemistry or agricultural science
Advanced GCE (A Level)	Grade C	In one of physics, chemistry or biology

Students will have to undergo a health screening, see page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

**Note:** There is an additional cost for a uniform for practice education of approximately €120. Practice Education placements are a mandatory component of the programme, some of these placements may be located outside of the greater Dublin area which may incur additional travel and accommodation costs that need to be borne by the student.



## Occupational Therapy at Trinity

The course is the longest established university-based occupational therapy course in Ireland. It uses many innovative teaching methodologies, including peer education, problem-based learning, as well as more traditional methods. Students and staff collaborate on projects that involve both research and service delivery, in existing and new areas of practice.

Occupational Therapy is based in the Trinity Centre for Health Sciences in a purpose-built complex in the grounds of St. James's Hospital. The Trinity Centre for Health Sciences is located approximately 3 kilometres from the main campus, beside the Luas line running between Tallaght and the city centre. There are state of the art teaching facilities at the Discipline of Occupational Therapy, including a capacity for teleconferencing. The Trinity Centre houses other health sciences disciplines including Medicine, Physiotherapy, Radiation Therapy, and Nursing. This gives a multidisciplinary dimension to studying and working with other health professionals. A small number of modules on the course may take place on the main campus and offer opportunity for interaction with students from other undergraduate courses. Additionally there will be an opportunity for students to engage in inter-professional learning with other health science students during the four year undergraduate programme.



## Graduate skills and career opportunities

As a qualified occupational therapist from Trinity, you will be well equipped to pursue a very rewarding career working with people of all age groups in a wide range of service settings. The course is regulated by CORU, the Health and Social Care Professionals Council, and upon successful completion of the programme you will be eligible to apply for registration to practice as an Occupational Therapist in Ireland. In addition, the course is approved by the World Federation of Occupational Therapists ([www.wfot.org](http://www.wfot.org)), meaning the qualification has international recognition that may enable you to work as an occupational therapist abroad. Many graduates from the programme are working in all parts of the world. Most occupational therapists, over time, develop specialised expertise in areas such as physical rehabilitation, mental health, hand therapy, intellectual disability, paediatrics, services for the elderly and community occupational therapy.

## Your degree and what you'll study

This four-year degree course incorporates a practical approach to solving problems and fosters a research-oriented and reflective attitude. It embraces evidence-based practice.

## First and second years

The subjects studied in the first and second years include the study of occupation, occupational therapy theories and interventions with people from children to older adults, anatomy, psychology, disability studies, research methods and statistics. You will be encouraged to 'learn by doing' in subjects related to professional development such as communications and creative problem solving and in courses that teach the professional and technical skills of practice such as assistive technology. You will be required to engage in service learning through voluntary work and will use experiential learning and group work to develop knowledge and skills fundamental to the development of professional behaviour and practice. During the first two years, there are a total of 10 weeks in supervised practice education placement in a variety of health and community care facilities around the country. Assessment includes written examinations, essays, project work, presentations, and competency-based assessment while on supervised practice education.

## Third and fourth years

During third and fourth year you will further develop your knowledge of the theories, principles and practice of occupational therapy; gain an understanding of health/social care systems and policies and of the importance of practising in an evidenced-based manner. Additionally, you will complete a group research project. You will have opportunities to develop important self-directed learning and research skills, which are key areas for practice and continuing life-long learning. Over the course of the final two years, you will spend a total of 22 weeks in supervised practice education. Assessment includes written examinations, essays, project work, presentations, a research project, and competency based assessment while on supervised practice education.



## Get in touch!

[www.tcd.ie/medicine/occupational-therapy](http://www.tcd.ie/medicine/occupational-therapy) | [E occupthe@tcd.ie](mailto:occupthe@tcd.ie) | [T +353 1 896 3210](tel:+35318963210)

# Pharmacy

**B.Sc. (Pharm.) Honors Bachelor Degree and M. (Pharm.) Master's Degree (NFQ Level 9)**

**Optional B.Sc. (Pharm.) Honors Bachelor Degree only (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR072	555	70	5 years (or 4 for B.Sc. only)



## What is Pharmacy?

Pharmacy is the study of all aspects of drugs, both natural and synthetic in origin, including their chemistry, their uses in medicines, and how they work within the body. Pharmacists work in a variety of settings – community pharmacies, hospitals, long-term care facilities, and within the pharmaceutical industry, to name just a few. In many respects, their role as a key healthcare professional is to help people achieve the best results from their medications.

## Pharmacy: The course for you?

While this degree is an essential requirement if you wish to practise as a community or hospital pharmacist, Pharmacy at Trinity opens up a wide variety of professional opportunities in both industry and the wider healthcare sector. A strong interest in science is important to fully enjoy the course.

## Pharmacy at Trinity

Trinity is ranked in the top 50 universities in the world for Pharmacy and Pharmacology (QS World University Rankings by Subject 2019). The School of Pharmacy and Pharmaceutical Sciences has world class facilities with research space in the Trinity Biomedical Sciences Institute (TBSI), which develops Trinity's leadership position in immunology, neuroscience and

cancer. The School also has purpose built teaching spaces in the Panoz Institute, including the Boots Unit, a technology-enhanced learning space which allows students to dispense drugs and develop communication skills.

Structured professional placements are integrated throughout the new programme and these take place in second, fourth and fifth year. A particular strength of the Trinity programme is the undergraduate research project, which may take place abroad and gives students the opportunity to develop focused laboratory or field research with one-to-one supervision.

## Graduate skills and career opportunities

As an expert in the discovery, development and optimal use of medicines, many career paths are open to pharmacists. Your career prospects as a Pharmacy graduate are excellent. Employment opportunities exist in community, hospital and industrial pharmacy, as well as in state services such as medicines licensing. In addition, you can opt to undertake research, or apply for entry to one of the postgraduate courses in hospital, industrial or community pharmacy. See: [www.pharmacy.tcd.ie/postgraduate/](http://www.pharmacy.tcd.ie/postgraduate/) for further details.

### WHAT OUR CURRENT STUDENTS SAY

#### Mark Lyons

If you have an interest in science, a desire to learn more about how medicines and diseases work and want to be part of one of the most rapidly expanding industries in the country then this is the course for you.

## Your degree and what you'll study

The Pharmacy syllabus has been designed to provide you with an all-round education in both the basic and pharmaceutical sciences and in the practice of pharmacy itself. The five-year integrated Pharmacy programme comprises a variety of approaches to teaching Pharmacy including: lectures, seminars, tutorials, workshops, small-group teaching, problem-based learning, site-visits, computer-assisted learning, web discussion boards, wikis, online group assignments, communication skills, career planning, clinical case studies, inter-professional learning, laboratory and dispensing practicals, and a research project.

The programme is delivered as a series of integrated modules, examples of which include:

- > Physiology
- > Natural Sources of Drugs and Substances used in Medicines
- > Formulation and Pharmaceutical Technology
- > Molecular and Chemotherapeutic Pharmacology and Clinical Therapeutics
- > Blood, Cardiovascular and Renal Pharmacology and Clinical Therapeutics
- > Neuropharmacology and Clinical Therapeutics
- > Physical Pharmacy, Formulation and Pharmaceutical Technology
- > Advanced Drug Delivery and Molecular Pharmaceutics

## Would you enjoy...

Combining science with a health care profession?

Being a healthcare leader in your community?

Becoming part of a community of scientists advancing knowledge to improve health and healthcare?





## Special Entry Requirements

Leaving Certificate	O4 or H6	Mathematics
	H4	Chemistry or physics/chemistry
	H4	In one of physics, biology, mathematics, applied mathematics, geography, geology, or agricultural science
GCSE	Grade B	Mathematics
Advanced GCE (A Level)	Grade C	Chemistry
	Grade C	in one of physics, biology, mathematics, geology, geography, computer science or further mathematics

Combinations of subjects not permitted:

Physics/chemistry may not be presented with chemistry or physics to satisfy requirements.

## Graduate Entry

A graduate entry route to this degree is also available. See: [www.tcd.ie/courses/undergraduate/az/course.php?id=DUBPH-PHAG-3F09](http://www.tcd.ie/courses/undergraduate/az/course.php?id=DUBPH-PHAG-3F09) for further details.

Students will have to undergo a health screening, see page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

Note: In order to qualify to register as a pharmacist with the Pharmaceutical Society of Ireland students must also complete a fifth year, culminating in a M.Pharm. degree. There will be a postgraduate fee associated with the fifth year on the postgraduate register in Trinity, payable by the student. Fees are available to view at: [www.tcd.ie/academicregistry/fees-and-payments](http://www.tcd.ie/academicregistry/fees-and-payments). The M.Pharm. degree carries with it an entitlement to apply for registration as a pharmacist in the Republic of Ireland.

- Advanced Pharmaceutical Chemistry, Drug Discovery and Design
- Addiction Pharmacy
- Practice of Pharmacy and Integrated Pharmacy Skills
- Professional Practice and Public Health
- Organisation and Management Skills

Modules are assessed by final examinations and continuous assessment, such as written assignments, essays, lab reports, OSCEs (objective structured clinical examinations), etc. which contribute to the overall mark in a module. There are approximately 16 hours of lectures, 6 hours of laboratory classes and 1 tutorial per week over the course of the first year. Work experience in clinical and non-clinical settings will take place over all five years of the integrated Pharmacy programme.

In the fourth and fifth year, you will undertake a research project. The following are some examples of research projects which students have undertaken in the past:

- Medicines' use and the burden of people with intellectual disability
- New targets for old drugs: development of novel beta-lactams with anticancer activity
- The development of dapsons cocrystals for pulmonary drug delivery



## Study abroad and internship opportunities

We encourage our students (second and third year students) to undertake the summer research placement programme.

This programme allows pharmacy students carry out their research projects abroad (UK, Germany, Austria, France, US, Canada) over the summer (12 weeks) as part of their undergraduate degree programme. Students are either funded by the Erasmus programme or the School.

### WHAT OUR CURRENT STUDENTS SAY

#### Negoescu Eduard

Choosing Pharmacy in Trinity, a course that ensures a successful career, has been the best decision ever. I love all the placements we have undergone each year. I feel like part of a large family, thanks to the super-friendly staff and the Pharmaceutical Students' association (DUPSA), who arrange social gatherings, wine receptions, and memorable events like the Pharmacy Ball.

### WHAT OUR CURRENT STUDENTS SAY

#### Karen Padden

The School of Pharmacy at Trinity College Dublin provides a welcoming and close-knit teaching and learning environment, in which all aspects of pharmacy, both theory and practice are delivered to a degree of excellence.



## Get in touch!

[www.tcd.ie/pharmacy](http://www.tcd.ie/pharmacy) | [E pharmacy@tcd.ie](mailto:pharmacy@tcd.ie) | [T +353 1 896 2809](tel:+35318962809)

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# Physiotherapy

**B.Sc. (Physio) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR053	543	40	4 years



## What is Physiotherapy?

Physiotherapy – or physical therapy – places full and functional movement at the heart of what it means to be healthy. It involves treating patients of all ages with a range of illnesses and conditions, including those with back and neck problems, sports injuries, arthritis, or those recovering from strokes and operations. The methods employed include exercise therapy, manipulative procedures, and a variety of electrical treatments.

Physiotherapists may be part of a multidisciplinary medical team that includes physicians, nurses, speech and language therapists, psychologists, occupational therapists and social workers among others. Alternatively, they may work from clinics or specialise in particular areas of the discipline.

## Physiotherapy: The course for you?

Physiotherapy is both physically and academically demanding and you will need to have considerable emotional stability and strong communication skills. Visiting a local general hospital or other area where physiotherapists work will give you a good understanding of what exactly is involved.

## Physiotherapy at Trinity

Physiotherapy is based in the Trinity Centre for Health Sciences in a purpose built complex at St. James's Hospital. This complex houses other health science disciplines and allows physiotherapy students to share courses with those in the other health sciences to give a multidisciplinary approach to studying and working. The centre is about 3 km (2 miles) from the main campus and is beside a Luas station on the line running between Tallaght and Connolly Station in the city centre.

All students will have clinical placements at Trinity's associated teaching hospitals of St. James's and AMNCH in Tallaght, where there is an established expertise in most areas of physiotherapy. These placements allow students to gain experience in some of the specialist areas of physiotherapy including neurology, respiratory care, coronary care, orthopaedics, women's health, care of the elderly, sports and out-patients.

## Graduate skills and career opportunities

Successful completion of the course entitles you to membership of the Irish Society of Chartered Physiotherapists, the accrediting body for physiotherapy in Ireland. Physiotherapists are sought throughout the world and you will be able to work with a wide range of conditions or to specialise, as you wish. There is also great scope for you to continue to develop your skills and expertise in areas such as manipulative therapy, sports injuries, neurology, cardiology, respiratory, research, education, management or private practice.



## Special Entry Requirements

Leaving Certificate	O4 or H6	Mathematics
	H4	In two of physics, chemistry, biology, physics/chemistry, mathematics or agricultural science
GCSE	Grade B	Mathematics
Advanced GCE (A Level)	Grade C	In two of physics, chemistry, biology or mathematics

Combinations of subjects not permitted:

Physics/chemistry with physics or chemistry

Agricultural science with biology

Students will have to undergo a health screening, see page 247.

Students will be required to undergo Garda vetting, see page 247 for further details.

Note: Students on placements outside Dublin will have additional travel costs.



## Your degree and what you'll study

The major objective of this four-year course is to enable you to become a competent professional with the ability to work independently with patients.

There are two components to Physiotherapy: theory and clinical practice. In the first year the emphasis is on laying a foundation of theoretical knowledge and the second year introduces students to the clinical skills and procedures used by physiotherapists. Clinical sciences are taught mainly in the second and third years. In the third and fourth years students spend up to fifty percent of their time on clinical placement. In the fourth-year, students have an opportunity to develop specialist knowledge in a particular area of physiotherapy and undertake a research project.

### First and second years

In first and second year as you will have approximately 20 hours of teaching each week, divided between lecture and practical classes.

Courses covered in the first two years include:

- › **Physiology**
- › **Anatomy**
- › **Physics**
- › **Chemistry**
- › **Pathology**
- › **Biomechanics and Movement** – includes procedures to improve strength, mobility and balance.
- › **Electrotherapy Procedures** – includes the use of electrotherapy to alleviate pain, improve circulation and re-educate muscles.
- › **Manipulative Procedures** – includes the use of soft tissue massage and manipulations to improve mobility and improve circulation.
- › **Exercise Therapy** – the use of exercise in prevention and treatment.



You will also start to study various conditions and specialities frequently seen in physiotherapy, such as respiratory conditions and musculoskeletal conditions.

At the end of second year you will start clinical placements under the supervision of skilled and experienced tutors. These may be taken in hospitals, clinics, day centres or within private and community practice.

### Third and fourth years

In the third year, half of the time is spent on academic studies and the other half on clinical placements in a variety of settings both within and outside the Dublin area.

In fourth year, the first term will be spent on two clinical placements. In the second term you will undertake an investigative project and study the following subjects: sports and exercise medicine, ergonomics, professional issues and advances in physiotherapy.

### Assessment

End-of-year written examinations and tests in certain subjects, such as anatomy, make up the theoretical assessment structure. There are a number of submitted assignments in third and fourth years.

In addition, you will be continuously assessed during your clinical placement and will have practical exams on the skills element of the course, including your assessment of a patient while on a clinical placement.



**Get in touch!**

[www.tcd.ie/medicine/physiotherapy](http://www.tcd.ie/medicine/physiotherapy) | T +353 1 896 2110 / 2111



# Radiation Therapy

**B.Sc. (Ther. Rad.) Honors Bachelor Degree (NFQ Level 8)**

Course Code	CAO Points 2018	Places 2019	Duration
TR055	509	30	4 years



## What is Radiation Therapy?

Radiation therapy uses targeted high energy x-rays to treat patients with cancer and is one of the main treatments for cancer. This course qualifies you to work as a radiation therapist – the health care professional who, together with the other multidisciplinary team members, is responsible for the preparation and delivery of a course of radiation therapy. This degree provides you with the required scientific understanding and the critical clinical and research skills to adapt to the ever-changing medical environment.

## Radiation Therapy: The course for you?

The radiation therapist requires very specialist skills and the role can be physically and emotionally demanding. The development of your clinical skills requires you to be interested in patient care. You will also need to have a keen interest in the field of science. Working as a radiation therapist will also require you to have good interpersonal and technical skills.

## Radiation Therapy at Trinity

Radiation Therapy is an innovative profession, with constant technological and patient care advancements. This programme will provide you with the necessary academic and practical

skills to work in this patient-centred healthcare environment. The programme is delivered by experienced and enthusiastic academic staff, whose focus is on providing you with a research-led, student-centred, quality learning experience. The small class sizes in this programme facilitate a close working relationship between students and staff.

## Graduate skills and career opportunities

As a graduate radiation therapist you will be the main point of contact for the cancer patient during the course of their radiation therapy treatment and you will be involved in many aspects of their care during this time. As radiation therapy is expanding in Ireland and internationally so too is the opportunity for career development, making this an exciting time to be entering the profession. Graduates from this programme work in radiation therapy departments in Ireland; UK; Australia; New Zealand; Qatar and Saudi Arabia, to name but a few. The broad scientific and clinical content of this degree, in combination with the graduate attributes of competent reflective practitioners; lifelong learners; critical thinkers and problem solvers has facilitated graduates to work nationally and internationally in research and development, medical industry technology, marketing and academia.

## WHAT OUR GRADUATES SAY

### Graham Kelly

I work as a Radiation Therapist in an Irish Hospital. Each day is varied and presents new tasks and challenges. This makes for a varied and highly rewarding career.

## Your degree and what you'll study

This four-year honors degree gives you a broad academic base on which to develop the clinical skills of radiation therapy. You will be able to analyse, evaluate and make clinical decisions and to initiate, participate in and encourage research in oncology and radiation therapy. There are both theoretical and clinical components to this degree. The contact hours are high in this course and the subjects are taught through lectures, laboratory-based practical sessions, workshops, tutorials and clinical placement in the hospital setting.

A significant clinical component is integral to this course. The clinical sites can be found at [www.tcd.ie/medicine/radiation-therapy/undergraduate/clinical-education.php](http://www.tcd.ie/medicine/radiation-therapy/undergraduate/clinical-education.php) Part of the clinical placement takes place during the vacation periods and clinical placement consists of 35 hours per week. Students are placed in radiation therapy departments across the country. The costs of placement outside Dublin (including accommodation and travel expenses) must be borne by the student.



## Do you enjoy...

Caring for people?

Working in a team?

## Special Entry Requirements

Leaving Certificate	H4	In one of physics, chemistry, biology, physics/chemistry
Advanced GCE (A Level)	Grade C	In one of physics, chemistry or biology

Students will be required to undergo Garda vetting, see page 247 for further details.

Students will have to undergo a health screening, see page 247.

Note: There is a charge of €40 for membership of the Irish professional society for Radiation Therapists (IIRRT) and a charge of €60 for membership of the European professional society for Radiation Therapists (ESTRO). Both are payable in first year.

Note: All students undertake clinical placements outside Dublin and will incur additional travel and accommodation costs.



### First and second year:

In the first and second years, the course covers the basic sciences. You will also study the structure and function of the human body and will be introduced to topics that relate to cancer and patient care. There are approximately 20-30 hours per week in class in these years. The clinical practice component (clinical placement) will introduce you to radiation therapy and will develop your understanding of the complexities of the cancer patient pathway. The content covered in first and second year includes: From Molecule to Cell; Chemistry for Life Sciences; Physics; Principles and Practices of Cancer Care; Psychology and Communication; Clinical Practice (4 weeks in first year and 5 weeks in second year); Biochemistry; Physiology and Research and Statistics.

### Third and fourth years

In these years, you will study more specialist subjects that are specifically related to cancer and patient care, and complete a research project in this area. The content covered in

these years include: Principles and Practices of Cancer Care; Physics; Radiobiology; Radiation Therapy Treatment Planning; Treatment Localisation and Verification; Research and Statistics and completion of a research project; Radiation Therapy in Practice and Clinical Practice (approximately 13 weeks in third year and 15 weeks in fourth year)

### Assessment

This programme uses a variety of assessment methods, including written end-of-year examinations, continuous assessment, individual and group project work, oral examinations, reflective journals and workbooks. A clinical portfolio and research dissertation are substantial components of the assessment processes in your final year.

### Study abroad

Students have the option to undertake a clinical placement in a European radiation therapy department in the summer vacation of the third year.

### WHAT OUR GRADUATES SAY

#### Olivia Kelada

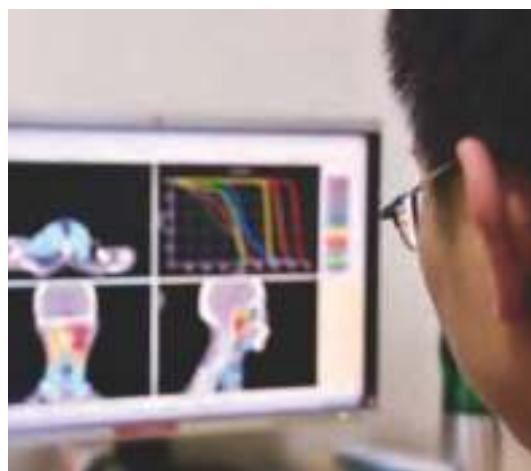
Research Fellow, Harvard Medical School

I initially chose the course as I was interested in the use of Physics in Medicine and particularly in the context of Radiation Oncology. However, as I progressed through the degree I realised I also had a keen interest in both research and a career in academia. It is clear that the B.Sc. in Radiation Therapy provided the basis for a future career in academia and a particular interest in clinically relevant research.

### WHAT OUR CURRENT STUDENTS SAY

#### Ryan O'Keeffe

I came to the Trinity open day and went to lots of talks, one of them was on something I had never heard of before titled, "Radiation Therapy". From the minute the talk began I was hooked and I left that day wanting to be a Radiation Therapist. This course has and continues to, push me to my limits in all the best ways... but I am also yet to meet a Radiation Therapist who would say that it wasn't worth it in the end.



## Get in touch!

[www.tcd.ie/medicine/radiation-therapy](http://www.tcd.ie/medicine/radiation-therapy) | [E TCDRT@tcd.ie](mailto:TCDRT@tcd.ie) | [T +353 1 896 3234](tel:+35318963234)

[f www.facebook.com/schoolofradiationtherapytrinitycollegedublin/](https://www.facebook.com/schoolofradiationtherapytrinitycollegedublin/) | [@TCDRadTher](https://twitter.com/TCDRadTher)

Information days are held during the year for students interested in finding out more about radiation therapy.

For details, please contact Daléne Dougall | [E TCDRT@tcd.ie](mailto:TCDRT@tcd.ie) | [T +353 1 896 3234](tel:+35318963234)

# Fees, Financial Support and Scholarships

## Fees and Charges

### Tuition Fees

#### EU Students

Under the 'Free Tuition Fees Scheme' tuition fees of eligible full-time undergraduate students will be paid by the State. A summary of the criteria is as follows:

- 1 The course duration must be a minimum of 2 years.
- 2 The student must be an EU national (or have official refugee status) and must have resided in an EU member state for at least three of the last five years.
- 3 The student must not already hold an undergraduate (or postgraduate) award.
- 4 The year of study is not a repeat year.

A full list of the eligibility criteria can be found at: [www.tcd.ie/academicregistry/fees-and-payments](http://www.tcd.ie/academicregistry/fees-and-payments)

EU students who are not eligible for inclusion in the Free Tuition Fees Scheme pay EU tuition fees, see: [www.tcd.ie/academicregistry/fees-and-payment](http://www.tcd.ie/academicregistry/fees-and-payment)

#### Non-EU Students

Non-EU students are liable for Non-EU fees, see: [www.tcd.ie/academicregistry/fees-payments/course-fees](http://www.tcd.ie/academicregistry/fees-payments/course-fees)

### Student Contribution

The student contribution (€3,000 in 2019/2020) is payable by all full-time EU students. Funding towards the student contribution may be available from Student Universal Support Ireland (SUSI). Information on the eligibility criteria and the application process can be found at: [www.susi.ie](http://www.susi.ie)

### Other Charges

The annual SLC (Student Levies and Charges) combines the Student Sports Centre Levy, USI Levy, Commencement Fee and Student Space Levy. The value of the charge varies depending on the course and student type. The charge must be paid in full prior to registering.

The rates are as follows:

1. Rate 1: UG Degree, Doctorates, UG & PG Certificate/Diploma – €191.75 annually.
2. Rate 2: PGT Degree (part-time) – €225.50 annually.
3. Rate 3: PGT Degree (full-time) – €293.00 annually.

4. Rate 4: Visiting students rate – €158 annually.
5. An additional year required [1] for example five year programmes, repeat year, extension of studies – would incur a SLC at Rate 1 above.

Further details on fees available at: [www.tcd.ie/academicregistry/fees-and-payments](http://www.tcd.ie/academicregistry/fees-and-payments)

## Financial Support

There are numerous financial resources available to undergraduate students studying at Trinity. The level of financial support varies depending on each student's situation.

A comprehensive list of Bursaries/Awards is available on the Senior Tutor's Office website. For more information on financial support for third-level students, see: [www.studentfinance.ie](http://www.studentfinance.ie)  
For information on the third-level grant (SUSI grant) see: [www.susi.ie](http://www.susi.ie)

Anyone can apply for financial assistance; however, the applications are means tested and you will need to provide documentation such as bank statements, P21s, social welfare documents, etc. Application forms are available from the Senior Tutor's Office website [www.tcd.ie/senior\\_tutor](http://www.tcd.ie/senior_tutor)

The SLC may be waived in cases where the student's sole income is through social welfare payments or where there is financial hardship.

## Scholarships

### Entrance Exhibitions

Entrance Exhibitions are awarded to first year new entrants provided that sufficient merit is shown in public examination results. Each exhibition is in the form of a book prize. The schools in which exhibitioners received their post-primary education are informed. More information is available at [www.tcd.ie/study/undergraduate/entrance-exhibition](http://www.tcd.ie/study/undergraduate/entrance-exhibition)

### Sizarships

Sizars are Entrance Exhibitioners of limited means who have Commons (evening meal) free of charge. Application to be considered for the award of a sizarship should be made to the Admissions Team, Academic Registry on or before 1 October of the year of entry. Application details are available at: [www.tcd.ie/study/undergraduate/scholarships-funding](http://www.tcd.ie/study/undergraduate/scholarships-funding) Sizarships are normally tenable for the first two years of an undergraduate course.



## Foundation Scholarships

Foundation Scholarship is a Trinity institution with a long history and high prestige. Some of our greatest alumni – such as Edmund Burke, Samuel Beckett, and Mary Robinson – were Scholars. Students in their second year may opt to take Foundation Scholarship or ‘Schol’ exams, usually held in January. These searching examinations are the basis for the election to Scholarship of the University. Students who achieve an overall first class honors result in these examinations and meet other specific examination requirements are elected as Scholars on Trinity Monday.

A scholarship is tenured for five years, during which time the Scholar is entitled to free Trinity accommodation, their evening meal free of charge at Commons, a waiver of their tuition fees or student contribution (non-EU students’ fees are reduced by the value of EU fees) and a small annual stipend. Scholars are also entitled to use the post-nominal letters “sch.” after their name.

Scholarship is a very prestigious award given to approximately 60 students each year.

See: [www.tcd.ie/academicregistry/exams/scholarship/](http://www.tcd.ie/academicregistry/exams/scholarship/) for more information.

## Sports Scholarships

Trinity Sport offer between 30-40 high-performance scholarships each year as well as a number of specific rugby scholarships.

**Eligibility requirements:** sport scholars should be competing at the highest national level in their chosen sport and have been offered a place in the university. The closing date for 2020-2021 is 03 July. See [www.tcd.ie/sport/scholarships/](http://www.tcd.ie/sport/scholarships/) for further details or contact [sport.schols@tcd.ie](mailto:sport.schols@tcd.ie)

### Erica Markey, Sports Scholar

*“The support that I have received from Trinity Sport as a sports scholar has been fantastic. They really understand the importance of balancing your sporting and academic commitments and the support has enabled me to excel both on and off the field. The specialist support provided – strength and conditioning, physiology testing, nutrition and lifestyle support has played a pivotal part in my development as player, whilst the financial support has allowed me to focus more on my training.”*

Trinity Sport scholarship programme – benefits	Academy	Development	Performance	Podium
Financial reimbursement		€500	€1,000	€3,500
Trinity Sport scholar kit	✓	✓	✓	✓
Specialist strength and conditioning training	✓	✓	✓	✓
Access to medical care pathway	✓	✓	✓	✓
Nutritional support with cookery skills workshop	✓	✓	✓	✓
Access to high performance training area	✓	✓	✓	✓
Physiology analysis	✓	✓	✓	✓
Physiological analysis and testing programme			✓	✓
Sports massage		✓	✓	✓
<b>Athlete development workshop and seminars</b>				
Anti doping	✓	✓	✓	✓
Media and marketing	✓	✓	✓	✓
Lifestyle support	✓	✓	✓	✓
Psychology	✓	✓	✓	✓

## School Prizes

Prizes are available to students from the following schools: the Abbey School, Tipperary; Portora Royal School, Enniskillen; Mount Temple Comprehensive, Dublin; St. Andrew’s College, Booterstown and Alexandra College. Further details on these prizes can be found at [www.tcd.ie/calendar/undergraduate-studies/entrance-awards.pdf](http://www.tcd.ie/calendar/undergraduate-studies/entrance-awards.pdf)

## Reid Entrance Exhibition

In 1888, the sum of £6,200 was received under the will and testament of the late Richard Touhill Reid to found additional sizarships. The awards, which do not exceed five in number, are open only to students of limited means and who are natives of County Kerry. They are granted to qualified candidates on the basis of their public examination results and are tenable for two years.

Students not eligible are those who:

- 1 are above the standing of first year  
OR
- 2 are graduates of any chartered university  
OR
- 3 have completed their nineteenth year before 1 May of the year in which they compete.

Exhibitioners have their Commons (evening meal) free, are supplied with a laptop and receive a salary of €6,000 per annum. During the second year, exhibitioners normally compete for Foundation Scholarships. Those who fail to obtain such scholarships, but are deemed to have shown sufficient merit, may have their exhibitions extended for two further years.

Application details are available at:

[www.tcd.ie/study/undergraduate/scholarships-funding/index.php](http://www.tcd.ie/study/undergraduate/scholarships-funding/index.php)

The deadline for applications is 09 October of the proposed year of entry.

## Choral Scholarships

Eight choral scholarships valued at €1,300 are available for the year 2020/2021.

The choral scholars form the core and leadership of the Chapel Choir: a mixed-voice choir of about twenty-five singers which performs in a liturgical context. The choir also leads the congregation in the said parts of the service. Some previous choral experience is an advantage and the ability to read music to a high standard is essential.

Application is made in person at the Chapel Choir desk in Front Square during Freshers’ Week; an appointment for an audition before the selection committee is then made.

For more information please visit: [www.tcdchapelchoir.ie](http://www.tcdchapelchoir.ie)

## Funding Options for International Students

International students are encouraged to apply for Trinity-wide scholarships, including the Foundation Scholarship, see above. Trinity offers a number of scholarship opportunities specifically for international students each year. Details are available at: [www.tcd.ie/study/undergraduate/scholarships-funding](http://www.tcd.ie/study/undergraduate/scholarships-funding)

Students are always encouraged to explore external funding options in their home countries, including local and governmental awards. Students from the United States should note that Trinity is an accredited recipient of US federal student loans. Information on FAFSA requirements are available at: [www.tcd.ie/academicregistry/fees-and-payment](http://www.tcd.ie/academicregistry/fees-and-payment)

# How to Apply

## Am I an EU or Non-EU Applicant?

An EU applicant is a person:

- 1 who is ordinarily resident<sup>1</sup> in the EU<sup>2</sup>  
AND
  - who will have received full-time post primary education  
AND/OR
  - who has worked full-time<sup>3</sup> in the EU for three of the five years immediately preceding admission to Trinity
- OR
- 2 who has
  - official refugee status<sup>4</sup> or has been granted humanitarian leave to remain in the State  
AND
  - who has been ordinarily resident in the EU<sup>2</sup> for three of the five years immediately preceding admission to Trinity.

### Important notes:

- 1 For students aged under 23, the student's parent(s) must also have been ordinarily resident (that is – principal residence for the purpose of taxation) in an EU<sup>2</sup> Member State for three of the five years prior to the student's entry to Trinity.
- 2 EU or EEA countries (Norway, Iceland and Lichtenstein) or Switzerland.
- 3 Where an applicant can show that they have been in receipt of social welfare payments this may be taken in lieu of full-time employment.
- 4 Applicants who have written confirmation that they have been allowed to come to Ireland as part of the family re-unification scheme may also be eligible.
- 5 The Admissions Team may contact some applicants in order to seek supporting documentation regarding their status (EU/non-EU).
- 6 Children of emigrants may be assessed as EU applicants if they can provide documentary evidence of having completed 5+ years of primary and/or secondary education in the EU/EEA/Swiss Confederation and have no previous third-level attendance.

**All other applications are considered to be non-EU applications (see page 239 for further information).**

## EU Applicants

Application for admission (except where otherwise stated) should be made to the Central Applications Office (CAO). Applications may be submitted online: [www.cao.ie](http://www.cao.ie)

- Normal application deadline: 1 February
- Late application deadline: 1 May
- Change of mind deadline: 1 July

**Note:** Applications to restricted entry courses, and by mature students must be made by 1 February, see page 237.

**Feasibility study in Admissions:** see page 242.

**Applicants from Northern Ireland:** see page 243.

### EU Enquiries

All enquiries from EU applicants concerning undergraduate admission should be addressed to:

Academic Registry, Watts Building, Trinity College Dublin, The University of Dublin, Dublin 2, Ireland. T: +353 1 896 4500,  
E: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)  
[www.tcd.ie/study/undergraduate](http://www.tcd.ie/study/undergraduate)

### Applicants with a Disability

Students who require particular supports or reasonable accommodations due to a disability should notify Trinity of these requirements in advance of admission to the university. Disclosure of a disability or specific learning difficulty will not adversely affect your application in any way.

#### 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. All applicants must meet the Irish Leaving Certificate (or equivalent) minimum entry requirements and, where relevant, subject specific requirements, see page 247.

## Who Should Apply to DARE?

DARE is for school leavers (under 23 years old as of 1 January 2020) 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, see below and page 246.

## How to Apply to DARE?

**Step 1** Apply online to CAO by 17:15 on 1 February.

**Step 2** No later than 17:15 on 1 March, you must disclose your disability and/or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (SIF), as part of your CAO application. If you wish to be considered for the DARE scheme, you must indicate this on Section A by selecting "Yes" to Question 5 by 17:15 on 1 March 2020.

**Step 3** Return the fully completed Educational Impact Statement (Section B) and Evidence of Disability (Section C) of the SIF to arrive at the CAO no later than 17:15 on 15 March 2020.

Please check [www.accesscollege.ie/dare](http://www.accesscollege.ie/dare) for up-to-date information on the DARE scheme in 2020.

## Prioritising DARE Places

In recognition of national and university targets to increase the number of students with sensory and physical disabilities, DARE offers will be made first to eligible applicants within these target groups, and remaining places offered to all other students with disabilities who are eligible.

Students who receive a DARE offer must register with the Disability Service and agree on a schedule of meetings with the service.

## Prioritisation of Applicants Eligible for both DARE and HEAR

In order to increase the number of students facing the 'double disadvantage' of socially economic disadvantage and disability, Trinity have agreed to prioritise applicants eligible for both DARE and HEAR when allocating reduced points places.

Students who received a DARE offer must register with the Disability Service and agree on a schedule of meetings with the service.

## More information

More Information on DARE is available from your school Guidance Counsellor or the Disability Office (see below). Information can also be found on: [www.accesscollege.ie](http://www.accesscollege.ie); [www.cao.ie](http://www.cao.ie); [www.tcd.ie/study/apply/alternative-paths-to-trinity](http://www.tcd.ie/study/apply/alternative-paths-to-trinity)

Regional DARE application advice clinics will be organised and full details and locations of these can be found on: [www.accesscollege.ie](http://www.accesscollege.ie)

## Language or Mathematics Waiver

Students with specific learning difficulties, sensory or communication disabilities may apply for a waiver of the modern language requirement, provided that the study of a language does not form part of their chosen course of study. In addition, students with dyscalculia, sensory or communication disabilities, may be eligible to request exemption from the minimum entry requirement of a pass in mathematics, where mathematics does not form any component of their intended course. See: [www.tcd.ie/study/apply/alternative-paths-to-trinity](http://www.tcd.ie/study/apply/alternative-paths-to-trinity) for further details. Please note:

- 1 This is a separate application to the DARE supplementary admissions process and written application must be made to the Applications and Admissions Team, Academic Registry, Watts Building, Trinity College Dublin, The University of Dublin, Dublin 2 before 1 July of the year of entry.

- 2 Students should be aware that the criteria for waiving the language or mathematics requirement are different to those required for the DARE scheme. The granting of a language waiver does not mean that a student is automatically eligible for the DARE scheme.

## Further Information

If you wish to clarify any issues or concerns you may have in relation to your disability and the demands of a course please contact a member of the Disability Service:

By Phone: +353 (0) 1 896 3111

By Text/SMS (for Deaf Students): +353 (0) 86 3442322

By Email: [disab@tcd.ie](mailto:disab@tcd.ie)

By dropping into the DS office, 10am-4pm, Monday-Friday.

[www.tcd.ie/study/apply/alternative-paths-to-trinity/](http://www.tcd.ie/study/apply/alternative-paths-to-trinity/) or:  
[www.accesscollege.ie](http://www.accesscollege.ie)

## Mature Students

All undergraduate courses in Trinity are open to mature applicants. Mature student applicants are not required to satisfy the normal minimum entry requirements and are not required to meet competitive academic entry levels (e.g. Leaving Certificate points), but are considered in the first instance on the basis of how relevant their life, work and educational experiences are to the course(s) that they wish to pursue. In addition, all applicants should demonstrate an interest in and knowledge of their course choice(s).

In order to apply to Trinity as a mature applicant you must:

- be an EU applicant (see page 236)
- be at least 23 years of age on 1 January 2020
- submit a CAO application form to the Central Applications Office (CAO) by 1 February 2020
- submit a Trinity Mature Student Supplementary Online Application Form (required for all CAO courses with the exception of nursing and midwifery) by 1 February 2020.

## Late applications will not be considered from mature students.

CAO applications may be made online at: [www.cao.ie](http://www.cao.ie)

The Trinity Mature Student Supplementary Application Form should be submitted online. A full list of available courses can be accessed on: [www.tcd.ie/courses](http://www.tcd.ie/courses) Please select the appropriate course choice from the list and apply by selecting the Mature Student Supplementary Application Form option. See: [www.tcd.ie/maturestudents/apply](http://www.tcd.ie/maturestudents/apply) for full details on making an application.

Please note that a valid CAO number is required prior to submitting a Trinity Mature Student Supplementary Online Application Form. Only three course options will be considered. These courses must also be listed on your CAO application.

Applicants to all courses may be required to attend an interview. Interviews are usually held between April and May.

Certain courses may also require applicants to meet other assessment criteria. For information on additional assessments for specific courses please refer to the Mature Student Guidelines booklet available from the Academic Registry, Watts Building, Trinity College Dublin, The University of Dublin, Dublin 2, T: +353 1 896 4500, E: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie) The Mature Student Guidelines booklet is also available to download at: [www.tcd.ie/maturestudents/apply](http://www.tcd.ie/maturestudents/apply)



Trinity will inform mature applicants of the outcome of their application before the end of May to allow successful applicants the maximum time possible to prepare for the start of the academic year 2020. Official offers to successful applicants are made through the CAO in early July. To secure your place you must return a formal acceptance notice to the CAO by the specified reply date.

An information seminar to prepare all successful mature applicants for starting in Trinity will take place in July 2020. An orientation programme for all successful mature applicants will take place in August 2020.

For further information on studying in Trinity as a mature student please contact the mature student officer, T: +353 1 896 1386, E: [mature.student.officer@tcd.ie](mailto:mature.student.officer@tcd.ie) or visit: [www.tcd.ie/maturestudents](http://www.tcd.ie/maturestudents)

## Access Initiatives

The Trinity Access Programmes (TAP) co-ordinates initiatives to facilitate increased participation at third-level of students whose social, economic and educational experiences have prevented them from realising their full academic potential. Through a variety of pre-entry outreach initiatives, TAP aims to promote positive attitudes to education with families and communities, and to increase the number of students who progress to third-level education.

TAP offers a range of application routes to students of all ages and various post-entry supports, including a writing resource centre, a laptop lending service, tuition support and a designated study space equipped with IT resources.

### Higher Education Access Route (HEAR)

The Higher Education Access Route (HEAR) is a third-level admissions scheme for school leavers (under 23 years of age), from socio-economically disadvantaged backgrounds. HEAR has been established by a number of Higher Education Institutions based on clear evidence that socio-economic disadvantage has a negative impact on educational achievement at school and progression to higher education.

School leavers who provide the necessary supporting financial documents relating to their socio-economic circumstances and meet the Irish Leaving Certificate minimum entry requirements and any course specific requirements are eligible to compete for a quota of places allocated to applicants on a reduced points basis in Trinity.

### Who Should Apply to HEAR?

HEAR is for school leavers (under 23 years old as of 1 January 2020) who are resident in the Republic of Ireland. Mature and QQI-FET students have different admission routes, see pages 237 and 246.

#### Step 1

Apply online to CAO by 17:15 on **1 February 2020**.

#### Step 2

Indicate that you wish to apply to HEAR and finalise all elements of your HEAR online application by 17:15 on **1 March 2020**.

#### Step 3

Submit relevant evidence in support of your application to arrive at CAO by 17:15 on **15 March 2020**.

HEAR applications can only be made online at: [www.cao.ie](http://www.cao.ie)

More information on HEAR is available from your school Guidance Counsellor or Trinity Access Programmes. Information can also be found on: [www.accesscollege.ie](http://www.accesscollege.ie) or: [www.cao.ie](http://www.cao.ie)

For further information on the number of available places and the selection process for the HEAR scheme, please refer to: [www.tcd.ie/study/apply/alternative-paths-to-trinity](http://www.tcd.ie/study/apply/alternative-paths-to-trinity)

Students who accept places in Trinity through HEAR are offered a variety of academic and personal supports while studying at third level. Details of post-admission supports for HEAR entrants can also be found on page 16, and at: [www.accesscollege.ie](http://www.accesscollege.ie) and: [www.tcd.ie/trinity\\_access](http://www.tcd.ie/trinity_access)

### TAP Foundation Course for Young Adults

This one-year course aims to equip students with the skills they will need to benefit from and participate in a third-level education course. It is open to Leaving Certificate pupils from schools in the greater Dublin area which are affiliated to third-level access programmes. Applicants should have taken the Leaving Certificate in the year of application or not more than two years prior to that. Minimum entry requirements are grade O6 or above in five subjects and grade H5 or above in one subject. FETAC and Leaving Certificate Applied qualifications are also considered.

Applicants for the Foundation Course for Young Adults may apply online from mid-November 2019. You may also apply for the University Access Course which Trinity runs in partnership with Liberties College on this application form. The closing date for receipt of applications is 07 February 2020. Students are not required to apply to the Central Applications Office. Apply online, find out more or download application guidelines at: [www.tcd.ie/trinity\\_access/prospective/access/young.php](http://www.tcd.ie/trinity_access/prospective/access/young.php) Alternatively, T: +353 1 896 2751.

### TAP Foundation Course for Mature Students

This one-year course prepares mature students (EU students who are over 23 years of age on 1 January of the proposed year of entry) for entry to undergraduate studies at Trinity and other third-level institutions. There are no standard educational requirements but evidence of a particular interest in studying at university and strong personal motivation are essential. In addition, if English is not your first language you will be required to provide evidence of English language proficiency, see page 240.

Applicants for the Foundation Course for Mature Students may apply online from mid-November 2019. You may also apply for the University Access Courses which Trinity runs in partnership with Pearse College and Plunket College on this application form. The closing date for receipt of applications is 28 March 2020. Students are not required to apply to the Central Applications Office. Apply online, find out more or download application guidelines at: [www.tcd.ie/trinity\\_access/prospective/access/mature.php](http://www.tcd.ie/trinity_access/prospective/access/mature.php) Alternatively, T: +353 1 896 1386.

## Receiving an Offer

Offers to all successful EU applicants (school leavers) are made through the CAO in August following the publication of Leaving Certificate and GCE A Level results. The University does not make conditional offers prior to the publication of examination results. Applicants are advised that the competitive entry level may fluctuate.

Offers to successful mature student applicants and to candidates who have deferred entry from the previous year will be issued by CAO in early July.

## Accepting an Offer

Applicants who wish to accept an offer of a place must return a formal acceptance notice to CAO, either online or in hard copy, within the specified time period. If an acceptance is not returned in time the offer will lapse.

Please note that if an applicant does not follow the instructions in full, the right is reserved to cancel the offer.

## Deferred Entry

Students who have received an offer notice may apply to defer their entry to Trinity for one year. On receipt of a CAO Offer Notice:

- 1 Do NOT accept the offer.
- 2 Write or send an email IMMEDIATELY to the Admissions Officer, Academic Registry, Watts Building, Trinity College Dublin, Dublin 2 setting out the reason(s) for the request.
- 3 The letter/email must arrive in the Academic Registry at least two days before the 'Reply Date' shown on the Offer Notice. Trinity will notify the applicant of the decision in writing. If the deferral is not granted, you may then accept the offer for the current year.
- 4 In order to take up the deferred place, the applicant must re-apply through the CAO by 1 February 2021 and the deferred course must appear as the first and only choice on this application.
- 5 After re-applying, the applicant must send their new CAO application number to the Applications and Admissions Team, Academic Registry, Watts Building, Trinity College Dublin, Dublin 2, E: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

Students who were permitted to defer their place will receive an offer of a place on the course in July of the following year.

A place may be deferred for one academic year only.

## Transferring Course and Advanced Entry

Students seeking to transfer from a course in another third-level institution to the second or third year in Trinity (Advanced Entry) should consult: Applying for a Transfer at [www.tcd.ie/study/apply/making-an-application/undergraduate](http://www.tcd.ie/study/apply/making-an-application/undergraduate)

## Non-EU Applicants

Trinity College Dublin, The University of Dublin is a university of global consequence and our reputation as a world-leading university is reflected in our standing in the world university rankings. We welcome applications from non-EU students wishing to shape their future by joining our global Trinity community. You will discover that an education from Trinity prepares you for a future with unlimited career possibilities.

We accept many overseas qualifications and further details about our entry requirements for international qualifications are available on our Study at Trinity website at [www.tcd.ie/study/non-eu/undergraduate](http://www.tcd.ie/study/non-eu/undergraduate)

If you are unsure whether we will accept your qualifications, or have questions about the levels we require, our Global Relations team provides a point of personal contact, both in Ireland and globally, to help you through the application process (see page 23).

Representatives from the Global Office also attend exhibitions, visit schools and universities, and hold receptions and open days for prospective students and offer holders. For more information visit [www.tcd.ie/globalrelations/news/events.php](http://www.tcd.ie/globalrelations/news/events.php)

Normally, students from outside the EU must apply directly to Trinity.

If you are not sure whether you are considered as an EU applicant or a Non-EU applicant please check online at [www.tcd.ie/study/undergraduate](http://www.tcd.ie/study/undergraduate) or contact: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

## The Trinity International Foundation Programme

If your high school qualification is not accepted for direct entry to a Trinity undergraduate programme you may consider applying for our International Foundation Programme.

The Trinity International Foundation Programme provides a pathway for students outside of the European Union (EU) who do not meet the direct entry requirements for an undergraduate programme in Trinity. Students who successfully complete the Trinity International Foundation Programme and reach the required grades gain entry to the first year of an undergraduate degree at Trinity.

The International Foundation Programme is the first step on a pathway to a successful career and we ensure students receive the skills and knowledge they will need to thrive in their undergraduate studies. If you are interested in applying to Trinity's International Foundation Programme, please email [admissions@mie.ie](mailto:admissions@mie.ie) or visit [www.tcd.ie/study/international/foundation-programme/index.php](http://www.tcd.ie/study/international/foundation-programme/index.php) for further information.

## English Language Requirements

English is the language of instruction at Trinity and all applicants are required to demonstrate proficiency in English. All applicants must present an English language qualification. Accepted/permitted qualifications are:

- 1 **Irish Leaving Certificate:** a grade 6 or better in ordinary level English.
- 2 **GCSE:** a grade C or better in English Language.
- 3 **US High School:** a grade C in English taken in final year.
- 4 **TOEFL**
  - Paper-based 570 (with a TWE score of 4.5)
  - Computer-based 233 (with a score of 4.5 in essay)
  - Internet-based 90 (with a written score of 21)
- 5 **Cambridge Proficiency** Grade C
- 6 **Cambridge Advanced** Grade A
- 7 **IELTS** (academic version) 6.5 (no individual band below 6)
  - For Dental courses: IELTS (academic version) 7 (no individual band below 7)
  - For Clinical Speech and Language Studies: IELTS (academic version) 7 (no individual band below 7)
- 8 **Pearson Test of English** (Academic) – PTE Academic: a minimum score of 63 (with no section score below 59)
- 9 **International Baccalaureate:** English A1, A2 or B: 5 at Higher Level (4 at Standard Level if presenting IB through English)
- 10 **QQI/FETAC:** a pass in Communications module (5N0690)

## How to Apply as a Non-EU student

Non-EU students can take the following steps to apply for undergraduate courses at Trinity:

- 1 Go to the Courses website and find the course you love: [www.tcd.ie/courses/undergraduate/](http://www.tcd.ie/courses/undergraduate/)
  - 2 Read the user guide for non-EU applicants: [www.tcd.ie/globalrelations/international-non-eu/howtoapply.php](http://www.tcd.ie/globalrelations/international-non-eu/howtoapply.php)
  - 3 Apply by selecting the 'Non-EU Application' link under the course description. \* You can save your application and return to it but remember to submit it when you're finished!
- \* An application fee of €55 is applicable for all direct applications to Trinity College Dublin. This payment must be made online following the instructions on the application form. The online application processing fee is non-refundable. The course application will not be submitted to Trinity College Dublin until the application fee is paid in full.

**Non-EU Applications for September 2020 admission opens: 1 October 2019.**

### Closing Dates:

- **1 February** for admissions decision by 1 April
- **1 February** for Music, Drama, Dental Science and Medicine
- **30 June** for Advanced Entry
- **30 June** for rolling decisions

All enquiries from non-EU applicants concerning undergraduate admission should be addressed to:

The Applications and Admissions Team, Academic Registry, Watts Building, Trinity College, Dublin 2, Ireland.

T: +353 1 896 4500

E: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

[www.tcd.ie/study/undergraduate](http://www.tcd.ie/study/undergraduate)

The normal closing date for applications is 1 February 2020. Late applications may be considered for courses other than Drama, Music, Medicine and Dental Science.

In order to be considered for admission all applicants are required to satisfy the University minimum entry requirements (see page 245) and, where relevant, meet any course specific requirements.

Due to national requirements and restrictions on the number of clinical placements available, non-EU students cannot be offered a place on any of the undergraduate nursing or midwifery courses at this time.

## Receiving an Offer and Accepting a Place

Successful non-EU applicants will be notified in writing through the online application system by Trinity. Students who wish to accept an offer of a place in the University will be required to return an acceptance deposit within a specified time. Details of the due date and method of payment will be included in the offer letter.

## Deferred Entry

Non-EU students applying for deferred entry should contact the Applications and Admissions Team, Academic Registry, Watts Building, Trinity College Dublin, Dublin 2, Ireland in writing prior to the deadline for acceptance of their offer.



## Important Dates for Applicants

<b>1 October 2019</b>	Non-EU Applicants for September 2020 admission opens (1 October).
<b>Early November 2019</b>	CAO online applications ( <a href="http://www.cao.ie">www.cao.ie</a> ) opens for EU applicants.
<b>23 November 2019</b>	Trinity Open Day.
<b>9 January 2020</b>	Mature students advice and information seminar. (Time: 17.00-18.00 and repeated again from 18.00-19.00).
<b>20 January 2020</b>	Closing date for registration for the HPAT-Ireland test for entry to Medicine. Final date for the CAO online discounted application fee.
<b>1 February 2020</b>	Normal closing date for CAO. Applications to restricted entry courses must be made to the CAO by this date. Closing date for applications from mature students for all full-time courses. Submission of mature students' supplementary application forms for all full-time courses (excluding nursing and midwifery) must also be returned by this date. DARE and HEAR applicants must have applied to CAO. Deadline for non-EU students applying for restricted courses: Medicine, Dental Science, Drama and Music.
<b>22 February 2020</b>	Date of HPAT-Ireland test for entry to Medicine.
<b>1 March 2020</b>	Closing date for applications to sit the University matriculation examination. DARE applicants must have disclosed their disabilities and/or specific learning difficulties in their CAO applications, and fully and correctly completed Section A of the Supplementary Information Form (SIF). HEAR applicants must have applied to HEAR and finalised all elements of their HEAR online application. Applications from EU and non-EU students wishing to study as a visiting student for up to one academic year should be submitted online.
<b>15 March 2020</b>	DARE applicants must have completed and returned sections B and C of the Supplementary Information Form. (Must arrive with CAO by 17.15 on 15 March). HEAR applicants must have submitted relevant evidence in support of their application to CAO. (Must arrive with CAO by 17.15 on 15 March).
<b>28 March 2020</b>	Music and Music Education entrance examination.
<b>1 May 2020</b>	Late closing date for CAO (Note: Late applications to restricted entry courses, and late applications from mature students will not be considered).
<b>30 June 2020</b>	Deadline for applications for Advanced Entry. Deadline for non-EU applications for most undergraduate courses (please refer to specific course profiles at <a href="http://www.tcd.ie/courses">www.tcd.ie/courses</a> ).
<b>1 July 2020</b>	Closing date for submission of a 'Change of Mind' to CAO.
<b>9 October 2020</b>	Closing date for receipt of applications for the Reid Entrance Exhibition.

See: [www.tcd.ie/calendar](http://www.tcd.ie/calendar) for Term Dates 2019/2020.

# Republic of Ireland

## Feasibility Study in Admissions

This is the fifth year of the pioneering feasibility study in admissions as Trinity attempts to see if there is a better and fairer mechanism to identify and admit applicants who are enthusiastic and passionate about learning, motivated and suitable for their chosen courses, and with the academic ability and potential to be inspired by everything that University has to offer. The admissions scheme tested in this study is adopting a holistic approach that has worked successfully internationally, using a range of materials to make an assessment about the academic ability and potential of each applicant.

Students can opt-in or opt-out of the study, and by opting-in you are eligible for all of the places filled in the traditional way, as well the extra places filled through this new route. The new admissions route is being used to admit students on three courses – with ten places in History (TR003), ten places in Law (TR004), and five places in Ancient and Medieval History and Culture (TR028) filled in this way. Applicants to any of the three courses involved in the study will have the option of using the new admissions route, and submitting some short supplementary material (in which case they will be eligible for all of the regular places on the course filled in the traditional way, as well as the places set aside for the study), or opting out of the study, in which case they will remain eligible for all of the places allocated in the traditional way, but not the extra places. Students applying for two or more of the courses in the study will only have to submit the supplementary information once.

The feasibility study is being operated in partnership with the Central Applications Office (CAO) and all applications will be made completely anonymous before evaluation, to ensure the process is free from any external influences.

Two scales (or modalities) are used to assess applicants in the study. They are:

- (a) Leaving Certificate results.
- (b) Relative Performance Rank (RPR) – the performance of the applicant relative to other applicants from their school. This scale looks at the rank of the applicant compared to every other applicant from their school who has applied to any course, in any university, through the CAO.

In addition, Personal and Contextual Data – provided via supplementary materials – must be submitted by the applicant in an online Trinity Application Form through the CAO before 1 March 2020. Applicants are asked to submit an honest piece of self-reflection, discussing what they would like to study, and why. Personal statements are reviewed by expert reviewers and used as a qualifier. Qualifying personal statements are those which have been awarded an average score of '1', '2', '3', or '4' on a scale of 1 to 6. Applicants whose personal statements qualify will proceed to the next stage. In the scoring process, Leaving Certificate results and the Relative Performance Rank will be weighted equally and then the candidates will be ranked in order of their combined score for modalities (a) and (b). Therefore, the Personal and Contextual Data are not weighted in the final evaluation.

The feasibility study is an attempt to inform broader educational change by providing options to assist in the development of national policy. The study is an attempt to see whether, on a small scale and in a strictly controlled way, it might be possible to admit students using a range of assessments (including the Leaving Certificate), with the results published and shared throughout the sector. It recognises the importance of having a Leaving Certificate examination that is fit-for-purpose and supports the reforms that are currently underway at second-level to ensure a more positive educational experience. It also recognises and values the great work and commitment of the teachers at primary and second-level throughout Ireland.

The new admissions route tested here seeks to complement the role of the Leaving Certificate and the teaching community, by working with the Central Applications Office (CAO) to examine whether some approaches which have succeeded internationally might also work in an Irish context.

Further details are available at: [www.tcd.ie/undergraduate-studies](http://www.tcd.ie/undergraduate-studies)

'The launch of a pioneering feasibility study in admissions is something that could be transformative for Ireland – and is one that is vitally important for its future... With this study, Trinity is sending a powerful message that with hard work anything is possible, including admission to Trinity or to any university in the world.' (Dr. William R. Fitzsimmons, Dean of Admissions and Financial Aid at Harvard).

### Note:

- 1 Feasibility Study places will only be offered in Round One of the CAO admissions process.

# Northern Ireland

## Admission of Students from Northern Ireland

Trinity is a university for the whole island of Ireland and has played a unique role in bringing together different traditions over the centuries. Trinity attracts talented students from every county in Ireland, as well as from around the world, and the diversity of the student population is one of the key things that makes it such a special place to study. Recently we asked some of our students to tell their own stories about coming to study at Trinity, and they have made short videos about it for Trinity Explore ([www.tcd.ie/explore](http://www.tcd.ie/explore)).

Trinity's connections with Northern Ireland are long and enduring. For example, the Honourable Sir Donnell Deeny, founder of the Ireland Chair of Poetry, judge, and a graduate of Trinity, is one of the Pro-Chancellors of the university. As the Provost, Dr. Patrick Prendergast, noted in his speech to the Trinity Association of Northern Ireland in Belfast on 09 November 2012, our alumni include Isaac Butt and the physicist Thomas Andrews in the nineteenth century, and a range of distinguished people in the twentieth, including the judges, Sir James Andrews and Sir William Moore, both Lord Chief Justices of Northern Ireland; the poets Michael Longley and Derek Mahon; the journalist and BBC governor Lucy Faulkner, wife of the Prime Minister, Brian Faulkner; the great Denis Burkitt, who helped treat the childhood cancer Burkitt's lymphoma; and the world-renowned historian R.B. McDowell. Other great alumni, such as the Nobel Prize winners, Samuel Beckett, in literature, and Ernest Walton, who helped split the atom, were educated in Northern Ireland. Most recently, William Campbell who was born in Derry and grew up in Donegal, and studied Zoology at Trinity, was awarded the Nobel Prize for Medicine in 2015. As the Provost noted, 'By bringing together a community of scholars and staff of all religions, and none; of all political beliefs and none; we help challenge fixed ideas and generate new ideas'.

### Feasibility Study for A Level Admissions

Recognising that only 1 in 8 students in Northern Ireland does 4 A Levels, Trinity has developed a feasibility study for A Level admissions, which will be tested in the first instance for students applying from Northern Ireland.

The results will be shared with the other Irish universities, to see if it could be used as a possible mechanism to admit all A Level applicants from within the EU.

Students applying to Trinity from Northern Ireland for entry in 2020/21 will be eligible for all of the places that will be filled in the normal way through the CAO system. However, a set number of places (maximum 3 per course) will be set aside for the purposes of the feasibility study, which will allow students to access any course\* with only 3 A Levels. Students taking 4 A Levels will not be disadvantaged – their best three subjects will be considered for places offered in the study.

\* Medicine is not included due to HPAT requirements.

### How to Apply for the Feasibility Study

- 1 All students applying to Trinity from Northern Ireland should do so through the CAO, the Irish equivalent of UCAS, at [www.cao.ie](http://www.cao.ie)
- 2 Students wishing to apply for entry through the feasibility study MUST submit an additional application form by 1 May 2020 which is available at [www.tcd.ie/study/apply/alternative-paths-to-trinity/](http://www.tcd.ie/study/apply/alternative-paths-to-trinity/)
- 3 Students applying to the feasibility study for A Level admissions will be eligible for all of the places filled in the normal way through the CAO system, alongside those places set aside for the purposes of the study.

### Notes:

- 1 Students applying for entry through the feasibility study must reside in Northern Ireland and be taking A Level examinations.
- 2 All applicants to Trinity must satisfy the University's minimum entry requirements and specific course requirements.
- 3 For the feasibility study, places will not be allocated to students with less than ABB at A Level.
- 4 Feasibility Study places will only be offered in Round One of the CAO admissions process.

Further information about the feasibility study is available at: [www.tcd.ie/study/apply/alternative-paths-to-trinity/](http://www.tcd.ie/study/apply/alternative-paths-to-trinity/)

### STUDENT PROFILE

#### Matthew Sammon

B.A. Chemistry student (Co. Derry)

"After getting my offer to study at Trinity, my excitement was met with a feeling of trepidation since the majority of my friends from secondary school were either staying in the North or moving to Britain. Luckily, studying at Trinity and living in Dublin was everything I hoped it would be and more!

The small city centre campus means that from day one everyone becomes an intrinsic part of the Trinity community which I believe makes it so unique. Fitting in was much easier than I expected; there are a huge variety of student societies that really help integrate new students – there really is something for everyone.

The School of Chemistry made me feel welcome from day one. I feel very lucky to be taught by lecturers who are among the top of their field and conducting a fantastic range of research.

As a student from Northern Ireland, moving to Dublin was a real adventure for me. Living here has given me a real feeling of independence, while also being close enough to home so I can get back in just a few hours if I ever need to. Dublin has truly become my home away from home.

During my first year at Trinity I lived in Trinity Hall in Rathmines and it is still one of my fondest memories of studying here. Halls is home to over 900 first years from all over the world and every single resident is part of the vibrant community. Whether it was the Halls musical, the regular nights out, or the international trip to Berlin, every resident would agree with me in saying that living in Halls is one of the most unforgettable experiences you will ever have.

Studying at Trinity has been a hugely rewarding experience academically, socially, and culturally. Although I am sad that I only have one more year left, I have greatly enjoyed my time here and I strongly encourage you to apply."

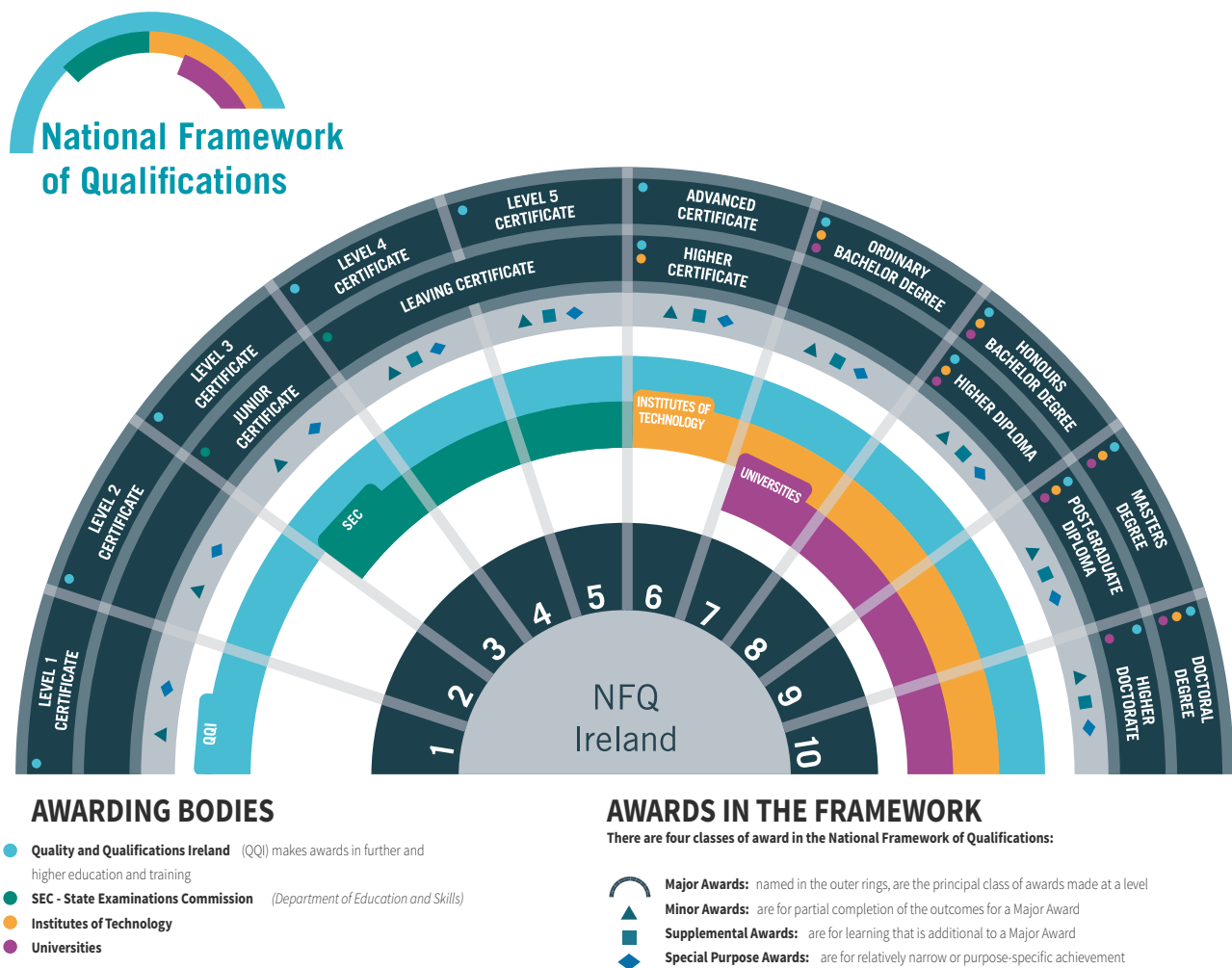




# National Framework of Qualifications

The National Framework of Qualifications (NFQ) is a system of ten levels, where each level is based on nationally agreed standards of knowledge, skill and competence. These standards help to define what a student is expected to know, understand and be able to do following successful completion of a course or programme of study, or learning process. It includes awards made for all kinds of learning, from initial learning to Doctorate. The NFQ provides a framework to compare and contrast the level and standard of different qualifications, helping students to make informed decisions about their qualification choices and options available for further studies. The NFQ also makes it easier for students to explain to others (employers, learning institutions, etc.) what qualifications they hold, or are studying for.

For more information see: [www.qqi.ie/Pages/National-Framework-of-Qualifications-%28NFQ%29.aspx](http://www.qqi.ie/Pages/National-Framework-of-Qualifications-%28NFQ%29.aspx)



# Admission Requirements 2020

To qualify for admission to an honors degree course at the University you must:

- 1 meet the minimum entry requirements (see below).
- 2 satisfy course specific requirements (where applicable), see pages 248-251.
- 3 where there is competition for places, have good enough examination results to be included among those to whom offers are made (see the Leaving Certificate scoring system or Advanced GCE (A Level) scoring system, below).

Minimum entry points for recent years are available at: [www.tcd.ie/study/apply/admission-requirements/](http://www.tcd.ie/study/apply/admission-requirements/)

Also see 'Other Requirements' on page 247.

## Minimum Entry Requirements: Irish Leaving Certificate

To be considered for admission to a degree course at the University you must:

- Present six subjects, three of which must be at grade 5 or above on higher Leaving Certificate papers or at least grade 5 in the University matriculation examination.

The six subjects above must include:

- A pass in English.
- A pass in mathematics (or foundation-level mathematics (see note 2)) and a pass in a language other than English OR
- A pass in Latin and a pass in a subject other than a language.

### Notes:

- 1 A pass means grade O6/H7 or above in the Leaving Certificate and grade 7 or above in the University matriculation examination.
- 2 Mathematics at foundation-level is acceptable for minimum entry requirements only, for all courses except nursing or midwifery courses. Irish at foundation-level is not acceptable for minimum entry requirements, course requirements or for scoring purposes.
- 3 Students may combine grades achieved in different sittings of their Leaving Certificate/Matriculation examinations for the purpose of satisfying minimum entry and/or course requirements, but not for the purposes of scoring. This is not permitted for Medicine – see notes 3A and 3B on page 250.

- 4 Combinations of Leaving Certificate subjects not permitted:

- Physics/chemistry may not be presented with physics or chemistry.
- Biology and agricultural science may not be presented as two of the six subjects required for minimum entry requirements, and they may not be presented together to satisfy course specific requirements. However, both may be used for scoring purposes.
- Art and music may not be offered as two of the three higher Leaving Certificate grades for minimum entry requirements, but both may be used for scoring purposes.

## Leaving Certificate Scoring System

Grade	Higher Level	Ordinary Level
1	100	56
2	88	46
3	77	37
4	66	28
5	56	20
6	46	12
7	37	n/a

### ➤ Bonus Points for Higher Level Mathematics

All students presenting H6 or above in higher level mathematics will have 25 points added to their score for mathematics. The bonus points will only be relevant where mathematics is scored as one of a student's six best subjects for points purposes.

An applicant's six best results from one sitting of the Leaving Certificate will be counted for scoring purposes. Applicants may combine results from the Leaving Certificate and the Trinity matriculation examination of the same year for scoring purposes.

The minimum entry levels (points) for Trinity in recent years are available at: [www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php](http://www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php)

### Leaving Certificate Vocational Programme Link Modules

These modules are accepted for scoring purposes only and are awarded the following points: Distinction 66, Merit 46, Pass 28.

## QQI FETAC Qualifications

There is an entry route to a number of degree programmes in Trinity for applicants presenting appropriate QQI FETAC (level 5) qualifications. Applicants presenting distinctions in five modules can be considered for admission to Biological and Biomedical Sciences (TR060); Business, Economic and Social Studies (TR081); Chemical Sciences (TR061); Geography and Geoscience (TR062); Global Business (TR080); Law (TR004); Physical Sciences (TR063); General Nursing (TR091 and TR093); Mental Health Nursing (TR095); Intellectual Disability Nursing (TR097) and Midwifery (TR913). Additional entry routes may be introduced for 2020. More information can be found at [www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php](http://www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php)

## Minimum Entry Requirements: GCSE/Advanced GCE (A Level)

To be considered for admission to the University you must:

- Present six subjects at grade C or above on GCSE or Advanced Subsidiary GCE (AS) papers. Two of these subjects must be at grade C or above on Advanced GCE (A Level) papers.

The six subjects above must include:

- A pass in English.  
AND
- A pass in mathematics and a pass in a language other than English  
OR
- A pass in Latin and a pass in a subject other than a language.

### Notes:

- 1 A pass means grade C or above on GCSE or Advanced Subsidiary GCE (AS) papers.
- 2 Students may combine grades achieved in different sittings of their Advanced GCE (A Level) examinations for the purpose of satisfying minimum entry and/or course requirements, but not for the purposes of scoring. This is not permitted for Medicine – see notes 3A and 3B on page 250.
- 3 Acceptable subjects:
  - Applied A Level, Vocational Advanced Subsidiary, Vocational A Level, National Vocational and Key Skills qualifications are not accepted for minimum entry requirements or scoring purposes.
  - GCSE/Advanced GCE (A Level) subjects set by recognised examination boards are, in principle, acceptable for consideration with the following exceptions:
    - General Studies and Media Studies are not acceptable.
  - Applicants who require advice about subject eligibility should contact the Academic Registry, see page 236.
- 4 Combinations of A Level subjects not permitted for minimum entry requirements or scoring purposes:
  - Art may not be presented with History of Art.
  - Biology may not be presented with Botany or Zoology.
  - English Literature may not be presented with English Language.
  - Environmental Science may not be presented with Biology or Geography.
  - Science may not be presented with Chemistry, Physics or Biology.
  - Not more than one specialised endorsed programme in art may be presented.
- 5 Art and Music may not be offered as the two Advanced GCE (A Level) grades for minimum entry requirements but both may be used for scoring purposes.

## A Level Scoring System

Points are weighted in favour of the first three A Levels, with additional points awarded for a fourth A Level or for a fourth AS Level subject.

Grade	First 3 A Level subjects	4th A Level or AS	
A*	185	45	31 <sup>^</sup>
A	156	38	26
B	131	32	22
C	106	26	18
D	84	20	14
E	63	15	11

<sup>^</sup> Extended Project (EPQ) is scored as an AS level and an A\* is available in this subject.

### ➤ Bonus points for Mathematics

All students presenting grade E or above in one of A Level (A2) Mathematics, Further Mathematics or Pure Mathematics will have 25 points added to their score for that subject. The bonus points will only be relevant where that subject is scored as one of a student's four best subjects for points purposes.

An applicant's score will be calculated on the basis of either of the following:

- 1 their best 4 GCE Advanced level (A2) subjects from one academic year  
OR
- 2 their best 3 GCE Advanced level (A2) subjects from one academic year plus one Advanced Subsidiary level (AS) in a different subject from the same or the preceding academic year only.

Students may not combine grades achieved in different sittings of their GCE Advanced level (A2) examinations for the purpose of scoring. However, examinations taken in January and June of the same year are counted as a single sitting.

The minimum entry levels (points) for recent years are available at: [www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php](http://www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php)

### Notes:

Cambridge Pre-U: Principle subjects will be accepted as alternatives to A Levels in meeting general entry requirements. The scoring scheme for Principle Subjects, Global Perspectives, and Short Courses results is available at: [www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php](http://www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php)

### Allocation of Places

Trinity treats equally all Leaving Certificate and A Level students on the island of Ireland in light of their status under Article 2 of the Constitution of Ireland. Trinity will allocate fixed points to A Level grades for the purpose of determining a student's ranking, allocating places in proportion with current demographic factors.

For all other applicants, in the first instance Trinity allocates ranges of CAO points to A Level grades (and other EU grading systems) in order that these applications can be compared with Leaving Certificate applications. Once this proportion is determined, places on the course in question are offered to applicants coming from each respective examination system group on the basis of ranking within that group.

Trinity reserves the right to make the final decision in all matters pertaining to the admissions process.



## University Matriculation Examination

A matriculation examination, graded in equivalent terms to grades used in higher Leaving Certificate examination papers, is held in Trinity every year, usually in April. The subjects of the matriculation examination are Biblical Studies and Geology. You may take one or both of the subjects available, but you should note that the range of university matriculation examination subjects available is not sufficient for the fulfilment of all minimum entry requirements.

The closing date for application for the examination is 1 March. Application forms and a syllabus can be obtained from the Academic Registry, Watts Building, Trinity College Dublin, The University of Dublin, Dublin 2, T: +353 1 896 4500, E: [academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

## Minimum Entry Requirements: Other EU Countries

Applicants who are presenting a second-level qualification other than Leaving Certificate or Advanced GCE (A Level) should consult the Trinity website ([www.tcd.ie/study/undergraduate/](http://www.tcd.ie/study/undergraduate/)) or contact the Academic Registry (see page 236) for details of the relevant minimum entry and course requirements.

## Minimum Entry Requirements: Non-EU Countries

Applicants who are presenting qualifications from non-EU countries should consult the Trinity website ([www.tcd.ie/study/undergraduate/](http://www.tcd.ie/study/undergraduate/)) or contact the Global Relations Office at [international@tcd.ie](mailto:international@tcd.ie) for details of the relevant minimum entry and course requirements.

## Other Requirements

### English Language Requirement

All applicants must present an English language qualification. Accepted/permitted qualifications are:

- 1 **Irish Leaving Certificate:** a grade 6 or better in ordinary level English.
- 2 **GCSE:** a grade C or better in English language.
- 3 **US High School:** a grade C in English taken in final year.
- 4 **TOEFL**
  - Paper-based 570 (with a TWE score of 4.5)
  - Computer-based 233 (with a score of 4.5 in essay)
  - Internet-based 90 (with a written score of 21)
- 5 **Cambridge Proficiency** Grade C
- 6 **Cambridge Advanced** Grade A
- 7 **IELTS** (academic version) 6.5 (no individual band below 6)
  - For Dental courses: IELTS (academic version) 7 (no individual band below 7)
  - For Clinical Speech and Language Studies: IELTS (academic version) 7 (no individual band below 7)
- 8 **Pearson Test of English** (Academic) – PTE Academic: a minimum score of 63 (with no Communication Skills section score below 59)
- 9 **International Baccalaureate:** English A1, A2 or B: 5 at Higher Level (4 at Standard Level if presenting IB through English).
- 10 **QQI/FETAC:** a pass in Communications module (5N0690).

**Note:** Examination results are only valid for two years.

## Age Requirement

Applicants seeking admission in 2020 must have a date of birth before 15 January 2004.

## Garda Vetting

Students on courses with clinical or other professional placements may be required to undergo Garda vetting procedures prior to commencing placements. If, as a result of the outcome of the Garda vetting procedures, a student is deemed unsuitable to attend clinical or other professional placement, he/she may be required to withdraw from his/her course. Students who have resided outside Ireland for a period of 6 months or more will be required to provide police clearance documentation from the country (including different states) or countries in which they resided.

Students who accept an offer will be informed of the procedures to be followed to complete the vetting process (as part of the student orientation information).

## Fitness To Practice

Professional courses demand that certain core competencies are met by students in order to graduate and practice professionally after qualification. Trinity has special responsibility to ensure that all students admitted to all professional programmes will be eligible for registration by the relevant professional body upon graduation. It is important to us that our students are able to fulfil the rigorous demands of professional courses and are fit to practice.

## Health Screening

Offers of admission to the following courses are made subject to certain vaccination requirements and/or certain negative test results.

- Clinical Speech and Language Studies
- Orthodontic Therapy, Dental Science, Dental Hygiene, Dental Nursing, and Dental Technology
- Medicine
- Nursing and Midwifery
- Occupational Therapy
- Pharmacy
- Physiotherapy
- Radiation Therapy
- Social Studies (Social work)

Full details are available at: [www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php](http://www.tcd.ie/study/apply/admission-requirements/undergraduate/index.php)

## Course Requirements 2020: Joint Honors/Modern Language – Level 8 (Honors Degrees)

Students select two subjects from the list below.

**Note: Students are not permitted to commence two new languages.** Students wishing to combine two of: German, Italian, Russian, Spanish are required to present at least one of the chosen languages at grade H4 or better on a higher level Leaving Certificate paper or equivalent. French and Modern Irish are not available ‘*ab Initio*’.

	Subject Name	Specific Subjects Required		Available Places in 2019
		Leaving Certificate Higher Level	Advanced GCE – A Level	
AH	Ancient History and Archaeology	none	none	23
CC	Classical Civilisation	none	none	29
CL	Classical Languages	H4 in Greek, Latin or in a language other than English	C in Greek, Latin or in a language other than English	10
DR	Drama Studies	see note 10	see note 10	24
EC	Economics	see note 1	see note 1	43
EN	English Literature	H4 in English	C in English	91
FS	Film	none	none	30
GG	Geography‡	none	none	45
HS	History	none	none	44
AR	History of Art and Architecture	none	none	40
ME	Middle Eastern, Jewish and Islamic Civilisations	none	none	10
MT	Mathematics	H3 in Mathematics	B in Mathematics	30
ML	Modern Language	see note 19	see note 19	205
MU	Music	see note 5	see note 5	18
PH	Philosophy	none	none	43
RE	Religion	none	none	22
SC	Sociology	none	none	59

**Specific subjects required for other EU countries:** See the information above for the Irish Leaving Certificate and compare it with the equivalent grades for your country at EU: [www.tcd.ie/study/undergraduate](http://www.tcd.ie/study/undergraduate)

‡ Geography may also be read as part of a moderatorship subject in Geography and Geoscience – TR062. See page 147 for course specific requirements for Science programmes.

## Course Requirements 2020: Level 8 (Honors Degrees)

Course Code	Name	Specific Subjects Required		Available Places in 2019	Page
		Leaving Certificate	Higher Level Advanced GCE – A Level		
TR002	Music	see note 5	see note 5	15	102
TR003	History	none	none	39	66
TR004	Law	none	none	90	74
TR005	Philosophy	none	none	20	106
TR006	Psychology	none	none	40	114
TR007	Clinical Speech and Language Studies	see note 4	see note 4	34	44
TR009	Music Education	see note 5	see note 5	10	104
TR012	History and Political Science	none	none	24	70
TR015	Philosophy, Political Science, Economics and Sociology	see note 1	see note 1	34	108
TR016	Deaf Studies	see note 16	see note 16	20	46
TR017	Law and Business	see note 1	see note 1	25	78
TR018	Law and French	H3 in French	C in French	15	76
TR019	Law and German	H3 in German	C in German	15	76
TR020	Law and Political Science	none	none	20	80
TR021	Classics, Ancient History and Archaeology	H4 in Greek or Latin or a language other than English	C in Greek, Latin or a language other than English	15	36
TR022	Early and Modern Irish	H4 in Irish	C in Irish	15	92
TR023	English Studies	H4 in English	C in English	40	58
TR024	European Studies	see note 8	see note 8	45	60
TR025	Drama and Theatre Studies	see note 10	see note 10	17	48
TR028	Ancient and Medieval History and Culture	none	none	16	68
TR029	Political Science and Geography	none	none	15	112
TR031	Mathematics	H3 in Mathematics	B in Mathematics	40	198
TR032	Engineering	H4 in Mathematics	C in Mathematics	185	136
TR033‡	Computer Science	H4 in Mathematics	C in Mathematics	100	128
TR034‡	Management Science and Information Systems Studies	H4 in Mathematics	C in Mathematics	27	134
TR035‡	Theoretical Physics	H3 in Mathematics and H3 in Physics	B in Mathematics and B in Physics	45	200
TR038‡	Engineering with Management	H4 in Mathematics	C in Mathematics	20	144
TR039	Computer Science and Language	see note 18	see note 18	20	132
TR040	Middle Eastern and European Language and Cultures	H4 in language other than English or Irish	C in language other than English or Irish	12	82
TR041	Religion	None	None	8	116
TR042	Film	None	None	15	62
TR043	History of Art & Architecture	None	None	10	72
TR051	Medicine	see notes 3A and 3B	see notes 3A and 3B	121	218
TR052	Dental Science	see note 17	see note 17	32	208
TR053	Physiotherapy	see notes 1 and 6	see notes 1 and 6	40	230
TR054	Occupational Therapy	see note 7	see note 7	40	226
TR055	Radiation Therapy	see note 11	see note 11	30	232
TR056	Human Health and Disease	see note 14	see note 14	35	214
TR060‡	Biological and Biomedical Sciences	see notes 1 and 2	see notes 1 and 2	235	148
TR061	Chemical Sciences	see notes 1 and 2	see notes 1 and 2	72	172
TR062‡	Geography and Geoscience	see notes 1 and 2	see notes 1 and 2	54	184
TR063‡	Physical Sciences	see notes 1 and 2	see notes 1 and 2	52	190
TR072	Pharmacy	see notes 1 and 9	see notes 1 and 9	70	228
TR080	Global Business	see note 1	see note 1	40	28
TR081	Business, Economic and Social Studies	see note 1	see note 1	236	30
TR082	Computer Science and Business	see note 15	see note 15	30	130
TR083	Sociology and Social Policy	none	none	28	122
TR084	Social Studies (Social work)	none	none	45	118
TR085	Business Studies and French	H3 in French and see note 1	C in French and see note 1	15	34
TR086	Business Studies and German	H3 in German and see note 1	C in German and see note 1	15	34



Course Code	Name	Specific Subjects Required		Available Places in 2019	Page
		Leaving Certificate	Higher Level Advanced GCE – A Level		
TR087	Business Studies and Russian	H4 in a language other than English and see note 1	C in a language other than English and see note 1	7	34
TR089	Business Studies and Polish	H4 in a language other than English and see note 1	C in a language other than English and see note 1	5	34
TR090	Business Studies and Spanish	H3 in Spanish and see note 1	C in Spanish and see note 1	10	34
TR091	General Nursing	see note 12	see note 12	109	222
TR093	General Nursing – Adelaide School of Nursing	see notes 12 and 13	see notes 12 and 13	33	222
TR095	Mental Health Nursing	see note 12	see note 12	59	222
TR097	Intellectual Disability Nursing	see note 12	see note 12	32	222
TR911	Integrated Children's and General Nursing	see note 12	see note 12	26	222
TR913	Midwifery	see note 12	see note 12	44	220

**Specific subjects required for other EU countries:** See the information above for the Irish Leaving Certificate and compare it with the equivalent grades for your country at: [www.tcd.ie/study/undergraduate/](http://www.tcd.ie/study/undergraduate/)



Courses are funded by the Irish Government under the National Development Plan.

† These courses are co-funded by the Irish Government and the European Union under the European Social Fund.

#### Notes

- 1 A mathematics requirement of grade 4 on the ordinary or grade 6 on the higher Leaving Certificate paper or grade B at GCSE level.
- 2 Two higher level grade 4 s (grade Cs at A Level) from the following subjects: physics, chemistry, biology, physics/chemistry, mathematics, geology, geography, applied mathematics, agricultural science, computer science. Physics/chemistry may not be presented with physics or chemistry. Agricultural science may not be presented with biology. Applied mathematics may not be presented with mathematics.
- 3A A higher level grade 3 and a higher level grade 4 (grade B and C at A Level) in two of physics, chemistry, biology, physics/chemistry, agricultural science. Physics/chemistry may not be presented with physics or chemistry. Agricultural science may not be presented with biology. If you do not have some qualification in physics, you must present mathematics at grade 4 on the ordinary Leaving Certificate paper, grade 6 on the higher Leaving Certificate paper or grade B at GCSE level.
- 3B Applicants must achieve a minimum of 480 points and meet the minimum entry and course specific requirements in the same sitting\* of the Leaving Certificate examination. In addition, all applicants will be required to sit the admissions test (HPAT – Ireland) which is scheduled for 22 February 2020. Applicants must register for the test at: [www.hpat-ireland.acer.edu.au](http://www.hpat-ireland.acer.edu.au) by 20 January 2020. Further details on the selection criteria are available at: [www.tcd.ie/courses](http://www.tcd.ie/courses) or from the Academic Registry: +353 1 896 4500. Applicants should note that application for Medicine must be made online at: [www.cao.ie](http://www.cao.ie)

\* A Level applicants must satisfy minimum entry and course specific requirements within three consecutive years, e.g. GCSE (2018); AS (2019) A Levels (2020).

- 4 A mathematics requirement of grade 6 on the ordinary or higher Leaving Certificate paper or grade C at GCSE level. A grade 4 at higher level in one of English, French, German, Irish, Italian, Russian, Spanish and a grade 4 at higher level in one of mathematics, applied mathematics, physics, chemistry, biology, physics/chemistry, agricultural science. If you are presenting Advanced GCE (A Levels), a grade C at A Level is required in one of English, French, German, Irish, Italian, Russian, Spanish and a grade B at GCSE level in one of physics, chemistry, biology, mathematics; or a grade C at A Level in one of physics, chemistry, biology, mathematics and a grade B at GCSE level in one of English, French, German, Irish, Italian, Russian, Spanish.
- 5 This is a restricted entry course, therefore, applications must be submitted to the CAO by 1 February of the proposed year of entry. You will be called for an entrance test on 28 March 2020 (provisional date). This will include a simple harmony paper, an ear test, a paper on general musical knowledge and background and an essay paper (TR009 only). Some applicants will be called for interview (and in the case of TR009 applicants, further tests) in late April/early May when the final selections will be made.
- 6 Two higher level grade 4s (grade Cs at A Level) from the following subjects: physics, chemistry, biology, physics/chemistry, mathematics, agricultural science. Physics/chemistry may not be presented with physics or chemistry. Agricultural science may not be presented with biology.
- 7 One higher level grade 4 (grade C at A Level) from the following subjects: physics, chemistry, biology, physics/chemistry, agricultural science.

- 8 Students entering this programme will study two languages from French, German, Italian, Modern Irish, Polish, Russian and Spanish. German, Italian, Polish, Russian and Spanish are available from beginner level. No student may study more than one language as a beginner. Students accepted into this programme, subject to the above regulations, will normally have at least a higher level grade 4 in the Leaving Certificate or equivalent, in two of French, German, Italian, Modern Irish, Polish, Russian, Spanish (H3 in the case of French, H4 in Modern Irish, and H4 in the case of Spanish if non-beginner) (grade C at A Level). Students who have only one language (other than English or Irish) may also be admitted, subject to the above regulations, if they achieve a higher level grade H3 in the language in the Leaving Certificate, or a grade B at A Level.
  - 9 A higher level grade 4 in chemistry or physics/chemistry and a higher level grade 4 in one of physics, biology, mathematics, geology, geography, applied mathematics and agricultural science and computer science (grade C at A Level). Physics/Chemistry may not be presented with Chemistry or Physics to satisfy requirements.
  - 10 This is a restricted entry course, therefore, applications must be submitted to the CAO by 1 February of the proposed year of entry. If you indicate Drama Studies or Drama and Theatre studies as a choice of subject, you will be sent a questionnaire to complete in March. On the basis of the completed questionnaire some applicants will be called to attend a workshop and interview (during April/May) before final selections are made.
  - 11 One higher level grade 4 (grade C at A Level) from the following subjects: physics, chemistry, biology, physics/chemistry.
  - 12 A grade 6 on the ordinary or higher paper in mathematics and in one of biology, physics, chemistry, physics/chemistry or agricultural science; or a grade C in Mathematics and in one of biology, physics, chemistry at GCSE level.
- Applicants who have previously been unsuccessful (academic and/or placement) in any Nursing or Midwifery programme or have any issues which would affect their registration with An Bord Altranais will only be considered for re-entry to Nursing or Midwifery on a case-by-case appeal basis to the relevant Programme Board. Such applicants should make their case in writing to the Admissions Officer and include any relevant details of extenuating circumstances. Mature Applicants should follow the instructions in the CAO handbook (available from [www.cao.ie](http://www.cao.ie)).
- 13 Applications must be submitted to the CAO by 1 February of the proposed year of entry. The Adelaide Hospital Society, which is a voluntary charitable organisation, nominates suitable applicants each year to the Adelaide School of Nursing. Applicants will be sent an additional application form in mid-March, to be returned to the Adelaide Hospital Society. On the basis of the completed application form, a list of eligible applicants will be selected. Places on this course will then be allocated on the basis of Leaving Certificate points/mature students' written assessment scores.
  - 14 A higher level grade 4 in biology and a higher level grade 4 in one of physics, chemistry or physics/chemistry (grade C at A Level).
  - 15 A higher level grade 4 or an ordinary level grade 2 in mathematics, or grade C at A Level or grade A at GCSE level.
  - 16 A higher level grade 4 in English and grade 6 at ordinary or higher level in a language other than English. grade C at A Level English Literature (A or B) or English Language (A or B) and grade C in a language other than English at GCSE level.
  - 17 A higher level grade 3 and a higher level grade 4 (grade B and C at A Level) in two of physics, chemistry, biology, physics/chemistry. Physics/chemistry may not be presented with physics or chemistry. If you do not have some qualification in physics, you must present mathematics at grade 5 on the ordinary Leaving Certificate paper, grade 6 on the higher Leaving Certificate paper or grade B at GCSE level.
  - 18 A higher level grade 4 in mathematics. Also, a grade 3 at higher level in French or German or Irish (grade C at A Level in French or German and grade B at A Level in Irish if selecting Irish).
  - 19 The languages available within Modern Language are French, German, Italian, Modern Irish, Russian and Spanish. German, Italian, Russian and Spanish are available at beginners level but prior knowledge is required for French and Modern Irish. Students are not permitted to commence two languages. Applicants wishing to study German, Italian, Russian or Spanish must present a H4 in a language other than English. To be eligible for French or Modern Irish applicants must present a H4 in French or Modern Irish. A Level Applicants: To be eligible for French or Modern Irish applicants must present a Grade C at A Level in French or Modern Irish. To study German, Italian, Russian or Spanish a Grade C at A Level in a language other than English is required.

## Course Requirements 2020: Ordinary Degree and Diploma Courses

Course Code	Name	Specific subjects required	Available Places in 2019	Page
TR801	Dental Nursing (diploma)	See notes A and C	25	206
TR802	Dental Hygiene (diploma)	See note B and C + Restricted entry	8	204
TR803	Dental Technology (ordinary degree)	See notes A and C + Restricted entry	6	210

### Notes

- A** Applicants are required to present six subjects, including English, mathematics and one of physics, chemistry, biology, physics/chemistry or agricultural science.

Of the six subjects presented, two must be of a standard of at least grade 4 on ordinary Leaving Certificate papers. The remaining four subjects must be presented to a standard of grade 6 on ordinary Leaving Certificate papers.

- B** Applicants are required to present six subjects, including English, mathematics and one of physics, chemistry, biology, physics/chemistry or agricultural science.

Of the six subjects presented, two must be of a standard of at least grade 4 on higher Leaving Certificate papers. The remaining four subjects must be presented to a standard of grade 6 on ordinary Leaving Certificate papers.

- C** Applications may also be considered from mature applicants who do not satisfy the academic entry requirements but can demonstrate appropriate experience relevant to the course.

Applications for restricted entry courses must be submitted to the CAO by 1 February of the proposed year of entry.



# Alert List for Guidance Professionals – 2020

## Course Name Change

- › In Joint Honors course, Film Studies has the title of Film.

## New Courses

Please see a new courses at Trinity for 2020/2021 below:

TR042 Film – a new Single Honor course

TR043 History of Art and Architecture – a new Single Honor course

## New Leaving Certificate Subjects from 2020 – Reminder

Computer Science will be accepted as one of the subjects satisfying minimum entry requirements and for scoring purposes.

It will also be accepted as one of the subjects satisfying the specific course requirements for the following courses:

- › TR060 Biological and Biomedical Sciences;
- › TR061 Chemical Sciences;
- › TR062 Geography and Geoscience;
- › TR063 Physical Sciences: and
- › TR072 Pharmacy.

Physical Education will be accepted as one of the subjects satisfying minimum entry requirements and for scoring purposes.



**Trinity College Dublin**

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The University of Dublin

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# Open Day 2019

**Saturday, 23rd November | 09.00-15.30**

- Course presentations
- Stands for each course: Meet our professors and lecturers, chat with current students
- Demonstrations and laboratory tours
- Presentations about accommodation, student sports, societies and the Students' Union
- Specific sessions for mature students, access students and parents
- Campus tours including the Trinity Sports Centre

Further details and schedule will be available in November at:

**[www.tcd.ie/study](http://www.tcd.ie/study)**

We look  
forward to  
welcoming you  
to Trinity!





# Trinity Open Day

23rd November 2019 | 09.00-15.30 | [www.tcd.ie/openday](http://www.tcd.ie/openday)

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