



# Global Pathway Programme

## MSc in Engineering



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





## 4 YEARS AT BEIJING UNIVERSITY OF TECHNOLOGY + 1 YEAR AT TRINITY

Graduate with a Degree from Ireland's Leading University

[www.tcd.ie/study](http://www.tcd.ie/study)

# Why Choose Trinity?



**1<sup>st</sup>**

Ireland's leading university

*(QS World University Ranking 2025)*



**1<sup>st</sup>**

1<sup>st</sup> in Ireland for employer reputation and alumni outcomes

*(QS World Rankings for Graduate Employability 2022)*



**1-2**

As a Trinity graduate you can remain in Ireland to work for 1 or 2 years, depending on your level of study



**4<sup>th</sup>**

Ireland is the world's 4<sup>th</sup> most competitive economy

*(IMD 2024)*



**7<sup>th</sup>**

Ireland has the 7<sup>th</sup> highest quality of life in the world

*(UN Human Development Index 2023/24)*



31<sup>st</sup> most international university in the world

*(Times Higher Education Ranking 2024)*



**87<sup>th</sup>**

Ranked 87<sup>th</sup> in the world

*(QS World University Rankings 2025)*



**91<sup>st</sup>**

91<sup>st</sup> in the world for graduate employability

*(QS Graduate Employability Rankings 2022)*



**TOP  
100  
UNIVERSITY**

Top 100 university in the world for 22 subjects

*(QS Subject Rankings 2024)*



2<sup>nd</sup>

Ireland is the 2<sup>nd</sup> safest country in the world

(Global Peace Index 2024)



35%

35% of our students are from outside Ireland, from 118 countries



500

Trinity has more than 500 industry partners, including Meta, Google, IBM, Pfizer and more

## Trinity Top 100 University in the world for 22 Subjects

Accounting & Finance

Archaeology

Biological Sciences

Chemistry

Classics & Ancient History

Dentistry

Education

English Language and Literature\* (21st in the world)

Geography

History

Law

Materials Science

Medicine

Modern Languages

Nursing\* (26th in the world)

Performing Arts\* (40th in the world)

Pharmacy and Pharmacology\* (26th in the world)

Philosophy

Psychology

Politics & International Studies

Social Policy & Administration

Theology, Divinity and Religious Studies\*

(49th in the world)



(QS World Rankings 2024)

\*Ranked Top 50 in the QS World Rankings 2024



# Trinity's Location

## Why Ireland?

As a Trinity graduate you can remain in Ireland to work for 1 or 2 years, depending on level of study.

Find out more:

[www.irishimmigration.ie/my-situation-has-changed-since-i-arrived-in-ireland/third-level-graduate-programme](http://www.irishimmigration.ie/my-situation-has-changed-since-i-arrived-in-ireland/third-level-graduate-programme)



**Ireland is the 2nd safest country in the world**  
(Global Peace Index 2024)



**Ireland is the world's 4<sup>th</sup> most competitive economy.**  
(IMD 2024)

**People in Ireland are happy, ranking 17th in the world**  
(World Happiness Report 2024)

**Dublin is multi-national. 1 in 5 people in the city are non-Irish nationals, according to the Council of Europe.**

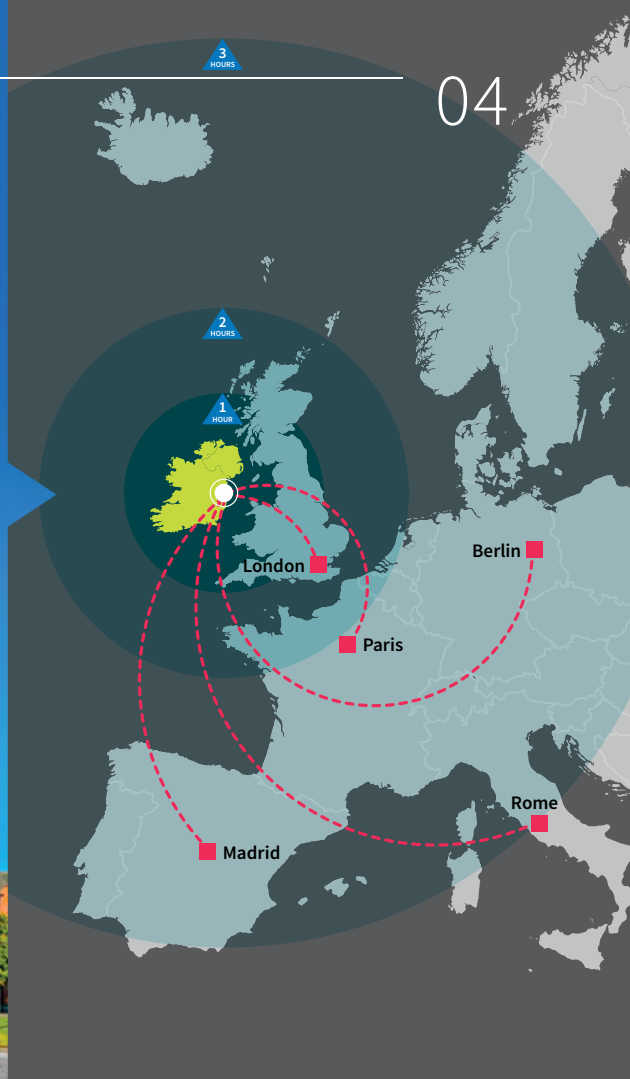
Trinity's central location makes it highly accessible for all forms of public transport: tram, rail and bus stops are right outside the University.  
[www.tcd.ie/maps](http://www.tcd.ie/maps)

**Ireland is an English speaking country in the EU.**

**Ireland has the 4<sup>th</sup> highest quality of life in the EU and 7<sup>th</sup> in the world according to UN Human Development Index 2023/24.**



**European hub for innovation and industry is based in Dublin:** Google, Meta, Microsoft, Intel, Pfizer and HP based here.



# Global Pathway Programme

Study a master's programme in Trinity, Ireland's leading University. As part of the Global Pathway Programme, following completion of your undergraduate degree at Beijing University of Technology, you can transfer to Trinity to enter one of the MSc in Engineering programmes.



## Why Study Engineering at Trinity?

Trinity is Ireland's leading university, steeped in history with a reputation for excellence in education and research. While our campus dates back over four hundred years, our research facilities and institutes sit right in the twenty first century.

The MSc in Engineering is designed to equip students with the theoretical knowledge and the practical skills to develop careers in the global energy sector.

## International Dimension

Trinity attracts a global community of academics dedicated to addressing challenges of vital importance to the world around us and has a diverse student body with students from 119 different countries. As Ireland's oldest and highest-ranking university, Trinity strives to educate global citizens who will shape the world's future. Chinese students are the third largest cohort of international students at Trinity from outside the EU.

## English Language Support

All modules on this programme are taught in English but students can avail of Trinity's extensive language-learning facilities. The Centre for English Language Learning and Teaching focuses specifically on the development of student's academic English skills to support their current and future university studies.

All students can enrol on the "English for Academic Purposes" course. [www.tcd.ie/slscs/english/trinity\\_in-sessional\\_programme/index.php](http://www.tcd.ie/slscs/english/trinity_in-sessional_programme/index.php)

## 4 Years at Beijing University of Technology + 1 Year at Trinity

## Application Requirements

The following documents **MUST** be submitted with your application:

- Curriculum Vitae
- Transcript of academic results to date  
*If you have not completed your studies, you must provide transcripts of your course to date indicating modules studied and grades received so far.*
- Copies of degree certificates  
*Equivalency certificate if a diploma is not yet available*
- Two Academic references
- If English is not your first language, you will be required to submit an English Competency certificate. NOTE that this is required of all candidates whose first language is not English, even if they have been instructed in the medium of English.

## Admission Requirements

- A grade of at least 2.1 (Upper Second Class Honours) or higher from a reputable university, in Computing or a strongly related discipline
- IELTS level of 6.5 or equivalent.
- C, C++ or Java. Several modules on the course may also require programming in Python.
- As part of the selection process, you will be asked to take an on-line programming test (in C, C++ or Java).



# MSc in Engineering



## Why Trinity for Engineering?

Our MSc courses attract graduate students from areas beyond engineering, including environmental sciences, geography and architecture. We receive applications from students throughout the world and our classes are typically a diverse mix of Irish and international students.

Trinity College is one of the oldest and best-known universities in Europe. As the oldest university in Ireland, dating from 1592, Trinity has upheld a reputation of tradition and quality in education. The School of Engineering is one of the oldest engineering schools in the English-speaking world, established in 1841. Our MSc courses have received nominations for Postgrad Ireland Best New Course in 2013, Postgrad Ireland Best Engineering Course in 2015 and Education Award at Irish Logistics and Transport Awards in 2017.

Our comprehensive modules offer you a broad selection of specialist modules that allows you to focus on one of ten distinctive streams, while also offering you the opportunity to take a limited number of modules from other specialist courses. Teaching methods include formal lectures, seminars, group design projects and site visits. A major dissertation in the final stage of your MSc will require you to undertake Research in your specialist theme and this will help you develop your skills in reviewing literature and develop a project from concept to delivery.



Students coming to Trinity under this partnership, can choose one of the following MSc in Engineering programmes:

- MSc in Structural & Geotechnical Engineering
- MSc in Transport Engineering, Policy & Planning.
- MSc in Sustainable Energy Engineering
- MSc in Environmental Engineering
- MSc in Mechanical Engineering
- MSc in Biomedical Engineering
- MSc in Electronic Information Engineering
- MPhil in Music & Media Technologies
- MSc in Computational Engineering
- MSc in Zero Carbon Technology



## Application Deadline

Please check individual programmes for application deadlines. Generally, students must submit their application to Trinity by 30 June at the latest but early application is strongly advised.

## Fees

The fees for the current academic year are available [here](#). Students on this programme may be eligible for a scholarship.



# Accommodation

Trinity is committed to ensuring that all international students have a positive experience while preparing to make the move to Dublin.

Partnerships students will be prioritised for Trinity approved accommodation provided they apply by May 1<sup>st</sup>. More information on accommodation options while at Trinity can be found here: [www.tcd.ie/accommodation](http://www.tcd.ie/accommodation)



# Student Life at Trinity

Immerse yourself in a broad range of sports clubs and student societies and get a real sense of the 'Trinity Experience'.

## Your first days at Trinity

### Freshers' Week

Trinity offers orientation to all new postgraduate and undergraduate students prior to the start of the academic year during a week known as Freshers' Week. It is a chance for you to meet your classmates, attend information sessions and sign up to one of many clubs and societies at Trinity. Find out more at: [www.tcd.ie/students/orientation](http://www.tcd.ie/students/orientation)

A specific International Postgraduate Student Orientation takes place before teaching commences. Details are available at: [www.tcd.ie/students/orientation/postgraduates](http://www.tcd.ie/students/orientation/postgraduates)

### Trinity Education

After the excitement of Freshers' Week, teaching term starts, and you will be settling into your course. Most of your classes at Trinity will be a mixture of lecturers, tutorials and some practicals. Tutorials are less formal and usually take place in smaller groups, giving you a chance to delve deeper into the studied topics with your classmates and teaching assistants.

### Trinity in Twelve Weeks

The "Trinity in Twelve Weeks" virtual programme aims to continue your orientation during your first semester and help your transition to university life. The programme has a new theme every week, from study and exam skills to how to look after yourself while 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. Find out more at: [www.tcd.ie/students/orientation/twelve-weeks](http://www.tcd.ie/students/orientation/twelve-weeks)

### Pathway to Belonging

"Pathway to Belonging" is an 8-week pre-departure orientation programme for international students. This webinar series is an invaluable resource that will provide insider tips, important information and a sneak peek into campus life.

### Trinity Clubs & Societies

As a student at Trinity, you will be able to choose from over 49 sports clubs including aikido, basketball, Gaelic football, surfing, hockey, rugby, soccer, table tennis, badminton and many more. You will also automatically be a member of our Sports Centre. The Sports Centre is where the majority of our fitness classes and programmes take place, 7 days a week. Facilities include a 25-metre swimming pool, climbing wall and a fully equipped gym. [www.tcd.ie/sport](http://www.tcd.ie/sport)

At Trinity, we have over 120 student societies which constitute some of the most dynamic and active university student societies in Ireland, allowing you to develop new skills or put your existing ones into action with everything from the International Student Society to the Zoological Society. Find out more at: [www.trinitysocieties.ie](http://www.trinitysocieties.ie)





# Career Opportunities

Your Career Journey at Trinity

Our graduates are highly sought after by employers across all sectors and many have gone on to successful careers around the globe. See below for just a few examples of the diverse organisations that have recruited Trinity graduates in recent years. The Trinity Careers Service supports students in exploring their career ambitions for the future and planning how to achieve them. Find out more about the Careers Service at: [www.tcd.ie/careers](http://www.tcd.ie/careers)

## Did you know?

Trinity is a Top 100 University for Graduate Employability

QS GRADUATE EMPLOYABILITY RANKING 2022

Trinity has over 500 industry partners including Microsoft, Google, IBM, Pfizer, Roche, AIB and many more.



## Where some of our Trinity graduates are now employed













# International Student Supports

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, responsibly, culturally and personally.

Full list of services available to view at:  
[www.tcd.ie/study/international/student-experience/supports-services](http://www.tcd.ie/study/international/student-experience/supports-services)

We have many specific support services for international students including:

## Talk to our students

Do you have a question about student life, the campus or living in Dublin? Connect with our students at:  
[www.tcd.ie/global/talktostudents](http://www.tcd.ie/global/talktostudents)

## English for Academic Purposes

Trinity offers both pre-sessional and in-sessional English language programmes.  
Find out more at: [www.tcd.ie/slscs/english](http://www.tcd.ie/slscs/english)

## New to Dublin Programme

Student Ambassadors run this programme aimed at postgraduate students, covering everything from Dublin grocery shopping and public transport to making friends and adjusting to Dublin culture.

## Trinity Global Room

The Global Room team provides guidance and support to international students on a wide range of issues including immigration, accommodation and all aspects of life at Trinity.  
[www.tcd.ie/study/international/student-experience/global-room](http://www.tcd.ie/study/international/student-experience/global-room). For more information, please contact:  
[tcdglobalroom@tcd.ie](mailto:tcdglobalroom@tcd.ie)

## Visa and Immigration

Some, but not all, non-EU/EEA students require an entry visa for Ireland. We advise students to apply for their visas early.

To check if you need a visa, please visit the Immigration Service Delivery at the link below:  
[www.irishimmigration.ie/coming-to-study-in-ireland](http://www.irishimmigration.ie/coming-to-study-in-ireland)

Find out more at:  
[www.tcd.ie/study/international/arriving-in-ireland/visa-immigration](http://www.tcd.ie/study/international/arriving-in-ireland/visa-immigration)



## Did you know?

Trinity is ranked 31<sup>st</sup> Most International university in the world

TIMES HIGHER EDUCATION RANKING 2024





If you have any questions about studying at Trinity,  
please get in touch with us.

[www.tcd.ie/study](http://www.tcd.ie/study)

The Trinity Global team is dedicated to helping international students and we would be delighted to answer your questions. Please contact us at:

#### Trinity Global

East Theatre,  
Trinity College Dublin,  
the University of Dublin  
Dublin 2, Ireland.

[www.tcd.ie/study](http://www.tcd.ie/study)  
[study@tcd.ie](mailto:study@tcd.ie)

If you have further questions about your application status you can contact the Applications and Admissions Team in Trinity's Academic Registry.

#### Academic Registry

Trinity College Dublin, the University of Dublin,  
Watts Building,  
Dublin 2, Ireland.

+353 (0) 1 896 4500  
[www.tcd.ie/academicregistry](http://www.tcd.ie/academicregistry)  
[academic.registry@tcd.ie](mailto:academic.registry@tcd.ie)

## Join the Trinity Community



[www.instagram.com/tcdglobal](https://www.instagram.com/tcdglobal)



[www.x.com/tcdglobal](https://www.x.com/tcdglobal)



[www.linkedin.com/company/tcdglobal](https://www.linkedin.com/company/tcdglobal)



[www.facebook.com/tcdglobal](https://www.facebook.com/tcdglobal)



[www.youtube.com/user/trinitycollegedublin](https://www.youtube.com/user/trinitycollegedublin)



[www.trinity-experience-blog.com](http://www.trinity-experience-blog.com)

## Trinity's Dedicated Channels In-Country

### China

Bilibili: [space.bilibili.com/695604784](https://space.bilibili.com/695604784)→  
WeChat: [weixin.qq.com/r/gEiJkWXEcTgOrSHy9x2S](https://weixin.qq.com/r/gEiJkWXEcTgOrSHy9x2S)→  
Weibo: [m.weibo.cn/u/3905092477](https://m.weibo.cn/u/3905092477)→

### India

Instagram: [www.instagram.com/trinitycollegedublin\\_india](https://www.instagram.com/trinitycollegedublin_india)→

### The Americas

Future Applicants from the Americas please follow our dedicated Instagram Account:  
[www.instagram.com/tcdamericas](https://www.instagram.com/tcdamericas)→

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