

Thapar Institute of Engineering  
and Technology (TIET):

International Engineering Programme

**2 Years at TIET + 2 Years at Trinity**

An Engineering Degree that's twice as Powerful



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

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



# Why Choose Trinity?

1<sup>st</sup>

Ireland's leading university  
(QS World University Ranking 2026)

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

2<sup>nd</sup>

Ireland is the 2<sup>nd</sup> most peaceful country in the world  
(Global Peace Index 2025)

7<sup>th</sup>

Ireland is the world's 7<sup>th</sup> most competitive economy  
(IMD 2025)

11<sup>th</sup>

Ireland has the 11<sup>th</sup> highest quality of life in the world  
(UN Human Development Index 2025)

35<sup>th</sup>

35<sup>th</sup> most international university in the world  
(Times Higher Education Rankings 2025)

36%

36% of our students are from outside Ireland, from 125 countries

75<sup>th</sup>

Ranked 75<sup>th</sup> in the world  
(QS World University Rankings 2026)

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 2025)

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 &amp; Finance

Chemistry

Classics &amp; Ancient History

Dentistry

Education

English\* (27th in the world)

Geography

History

Law

Marketing

Materials Science

Medicine

Modern Languages

Nursing\* (20th in the world)

Performing Arts\* (43rd in the world)

Philosophy

Pharmacy\* (34th in the world)

Politics &amp; International Studies

Psychology

Social Policy &amp; Administration

Sports-Related Subjects

Theology



(QS World Rankings 2025)

\*Ranked Top 50 in the QS World Rankings 2025

# 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 world's 7<sup>th</sup> most competitive economy. (IMD 2025)

People in Ireland are happy, ranking 15<sup>th</sup> in the world (World Happiness Report 2025)

Dublin is multi-national. 1 in 6 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 the 2<sup>nd</sup> most peaceful country in the world (Global Peace Index 2025)

Ireland is an English speaking country in the EU.

Ireland has the 11<sup>th</sup> highest quality of life in the world according to the UN Human Development Index 2025.



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

Trinity College Dublin, The University of Dublin



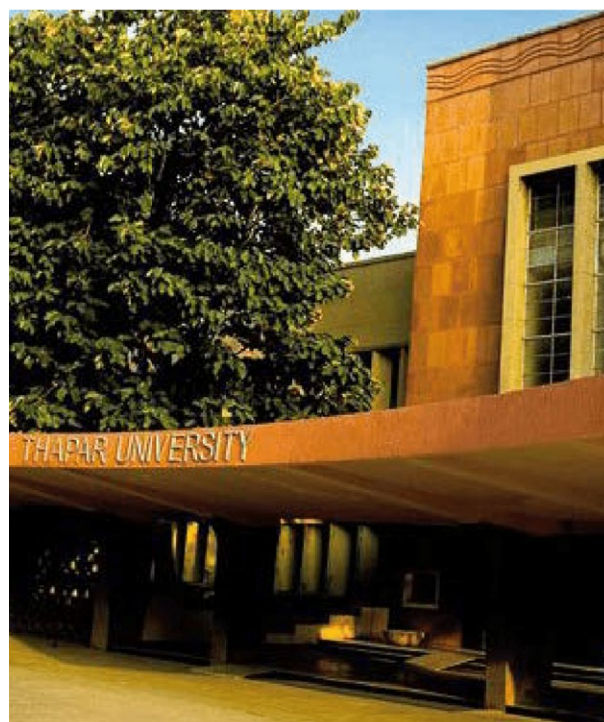


# About Thapar Institute of Engineering and Technology



Thapar Institute of Engineering and Technology (TIET), Patiala, is one of India's premier institutions and a consistent source of highly skilled professionals for corporate India. TIET's continued success is driven by cutting-edge research, robust infrastructure, and dynamic industry linkages. Keeping pace with emerging global standards, globalisation and advances in technology, Thapar Institute offers education ecosystems with quality learning ranked and recognised worldwide. TIET has consistently been ranked amongst top 30 engineering institutions in the NIRF Rankings.

The Institution is accredited as an A++ Institution (only the top 4% of the Universities fall in this category in India) by National Assessment and Accreditation Council (NAAC). Eligible programs are NBA and ABET-accredited. At present, TIET is among the few top Indian private universities that feature in the top 500 of Times Higher Education and QS world subject rankings. The institute boasts a lush, 250-acre campus that houses over 100 advanced teaching and research laboratories in engineering and sciences. Most students reside on campus in well-furnished, technology-enabled hostels. The existing infrastructure is being further enhanced with the addition of a state-of-the-art Learning Centre, which will include a Green Library, a new Computer Science Block, and a modern Lecture Hall Complex.



# The International Engineering Programme

The International Engineering Programme (IEP) between Trinity College Dublin, the University of Dublin and Thapar Institute of Engineering and Technology offers students an international educational experience. The two institutions have developed a 2+2 credit transfer programme which gives students admitted to undergraduate engineering programmes at TIET the opportunity to study and graduate from Trinity.

## About Engineering at Trinity

The School of Engineering at Trinity was established in 1841 and is the oldest engineering school in the English-speaking world. The School has a strong philosophy of research-led teaching and offers outstanding teaching by engineers who are at the forefront of their field worldwide. The Computer Engineering and Electronic and Computer Engineering specialisations are led by the School of Computer Science and Statistics. The School is noted for establishing Computer Science as an academic discipline in Ireland, with a rich history in the development of world-class research and teaching, as well as many successful start-up companies.

## A Unique Name

Our engineering degrees are historically called B.A.I which stands for Baccalaureus in Arte Ingeniaria meaning Bachelor in the Art of Engineering in Latin. Here the word Arte implies excellence in carrying out the 'art' or 'function' of an engineer. Students staying on for the master's degree obtain a M.A.I. Magister in Arte Ingeniaria.

## Internationally Recognised

The engineering programmes in Trinity are professionally accredited by Engineers Ireland, who are part of the Washington Accord, and therefore are internationally recognised. Graduates have both a broad 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.



## Programme Information

Drawing on the expertise of the School of Engineering and the School of Computer Science and Statistics at Trinity, this programme focuses on delivering a research-inspired, outcome-based educational experience to students.

Eligible students will pursue the first two years of their course in India before transferring to Ireland for years 3 and 4 of the degree programme, subject to achieving the required grades. Additionally, qualified students can apply to pursue a Masters (MAI) qualification by completing one further year at Trinity.

### 6 Engineering Majors to Choose from:

- Biomedical Engineering
- Civil, Structural and Environmental Engineering
- Computer Engineering
- Electronic Engineering
- Electronic and Computer Engineering
- Mechanical and Manufacturing Engineering

### Note:

Programmes and programme titles may be subject to change.



# The Programme Structure

The first two years, taught in TIET, introduce the different facets of engineering, including introductory courses in Engineering, Science and Mathematics. From third year onwards, students have the opportunity in Trinity to broaden and deepen their knowledge and understanding of their chosen specialism. Subjects are studied in much greater detail and students undertake real-life, practical projects. See examples on Trinity's websites: [www.tcd.ie/Engineering](http://www.tcd.ie/Engineering) and [www.scss.tcd.ie](http://www.scss.tcd.ie).

## Admission Requirements

Admission to the TIET-Trinity International Engineering Programme is based purely on academic merit. TIET students who have successfully completed two years in the Thapar Bachelor of Engineering Programme and have secured a CGPA >7.0 (and with no outstanding backlog exams) may apply to be admitted as full time fee paying students at Trinity. Admission to the first two years of the programme will be made as per the entry requirements of TIET.

PROGRAMME:  
UNDERGRADUATE  
COMPUTER ENGINEERING

Ujjawal Aggarwal



"What I enjoy most about Trinity, is having the chance to study in one of the oldest European universities and live in one of the most beautiful cities in Europe, while getting to know the Irish culture. I chose Trinity as it provides state of the art infrastructure to engineering students. Trinity is also the 17<sup>th</sup> most international university in the world, allowing me to interact and network with other international students."



# International Engineering Course Structure

## Year 1 – Undertaken in TIET

- Applied Physics
- Computer Programming – I & II
- Electrical Engineering
- Engineering Drawing
- Introduction to Professional Communication
- Mathematics – I & II
- Applied Chemistry
- Electronic Engineering
- Energy and Environment
- Engineering Design Project – I
- Mechanics

## Year 2 – Undertaken in TIET

- Engineering Design Project – II
- Manufacturing Processes
- Optimisation Techniques
- Solids and Structures
- Thermo-Fluids
- Engineering Materials
- Numerical Analysis
- 4-5 Program Specific Modules

## Year 3 – Undertaken in Trinity (Begin specialist lectures)

Year 3 modules (Common to all disciplines):

- Engineering Mathematics V
- Probability and Statistics
- Innovation and Entrepreneurship

For details of all modules and timetables, please see [www.tcd.ie/courses/undergraduate/courses/engineering](http://www.tcd.ie/courses/undergraduate/courses/engineering)

Specialism modules in your discipline:

- Computer Engineering
- Electronic and Computer Engineering
- Electronic Engineering
- Mechanical and Manufacturing Engineering
- Civil, Structural and Environmental Engineering

## Year 4 – Undertaken in Trinity B.A.I. Programme

Year 4 modules in your discipline (Common to all disciplines):

- Management for Engineers
- Individual Research Project Specialism modules in your discipline

For details of all modules and timetables, please see [www.tcd.ie/courses/undergraduate/courses/engineering](http://www.tcd.ie/courses/undergraduate/courses/engineering)

Graduate with Trinity B.A., B.A.I. degrees.

## Year 4 – Undertaken in Trinity/industry M.A.I. Programme

— Year at Trinity

OR

- Semester 1 – Trinity
- Semester 2 – Internship

## Year 5 – Undertaken in Trinity B.A.I. Programme

Year 5 modules (Common to all disciplines):

- Individual Research Project
- Research Methods

Specialism modules in your discipline.

For details of all modules and timetables, please see [www.tcd.ie/Engineering/undergraduate/bai/year-5](http://www.tcd.ie/Engineering/undergraduate/bai/year-5)

Graduate with Trinity B.A., M.A.I. degrees.

Note: Modules listed are indicative and may change slightly from year to year.



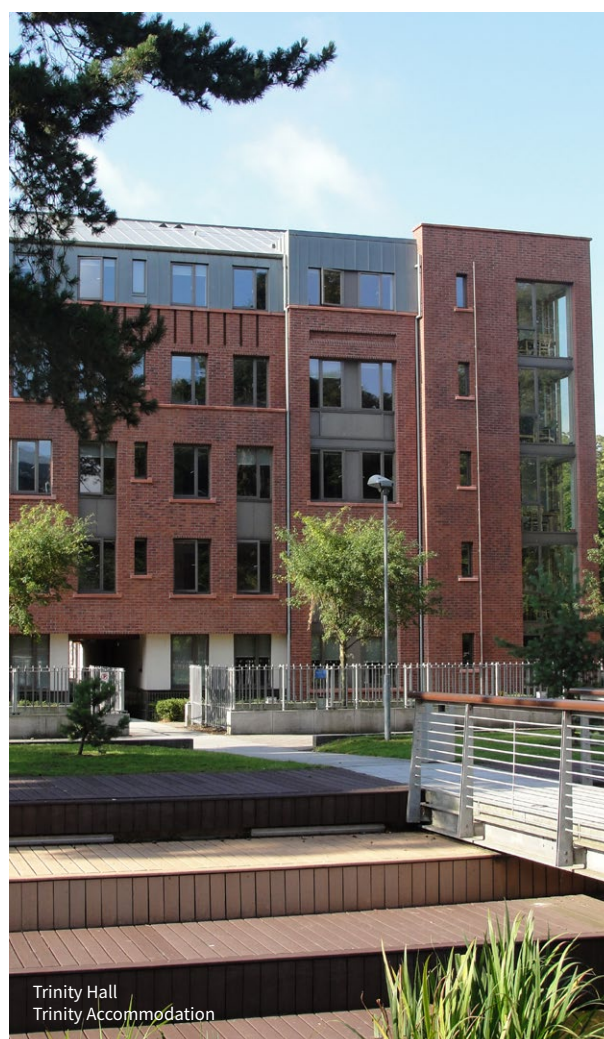
# Accommodation

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. More information on accommodation options while at Trinity can be found here: [www.tcd.ie/accommodation](http://www.tcd.ie/accommodation)



Goldsmith Hall  
Trinity Accommodation



Trinity Hall  
Trinity Accommodation



On campus 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 lectures, 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 47 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

Deloitte.

LinkedIn

Microsoft

Intel

Riailtas na hÉireann  
Government of Ireland

stripe

Meta

EY  
Building a better  
working world

Pfizer

HubSpot

Google

accenture  
High performance. Delivered.

hp  
HEWLETT  
PACKARD

amazon

UNESCO

# 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 undergraduate students, covering everything from Dublin grocery shopping and public transport to making friends and adjusting to Irish culture.

## Trinity Global Room

Staff and student ambassadors are available to assist with advice on adjusting to life in Ireland/Dublin/Trinity, visa and immigration queries, banking, health insurance, and locating student services.

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

## Visa and Immigration

If you are an EU/EEA/Swiss/UK citizen, you do not need a visa to enter and live in Ireland. Some, but not all, non-EU/EEA/Swiss/UK 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-visit-ireland/visit-ireland-travel-path](http://www.irishimmigration.ie/coming-to-visit-ireland/visit-ireland-travel-path)

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 35<sup>th</sup> Most International university in the world

TIMES HIGHER EDUCATION RANKING 2025





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.twitter.com/tcdglobal](https://www.twitter.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

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