



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

Trinity by Numbers

1st

Ireland's Leading University
(QS World University Ranking 2023
and THE World University Ranking 2022)

1st

**Trinity is 1st in Europe for
producing entrepreneurs for
the 7th year in a row**
(PitchBook Universities Report 2021)

3rd

**Ireland has the 3rd highest
quality of life in the world**
(United Nations Human Development
Index 2022)

6th

**Trinity ranks 6th in the world
for gender equality**
(Times Higher Education University
Impact Rankings 2021)

12th

**12th Most International
University in the World**
(THE World University Ranking 2022)

29%

**29% of our student body is
from outside Ireland, from
116 countries**

91st

**91st in the World for
Graduate Employability**
(QS Graduate Employability
Ranking 2022)

98th
QS WORLD UNIVERSITY RANKINGS

98th World Ranking
(QS World University Rankings 2023)

**TOP
100
UNIVERSITY**

**Trinity Top 100 University
in the world for 19 Subjects**
(QS Subject Rankings 2022)

133K

**Over 133,000 Trinity
alumni (graduates) in 157
countries worldwide**

Trinity Top 100 University in the world for 19 Subjects

Accounting and Finance
Biological Sciences
Chemistry
Classics and Ancient History (45th in the world)*
Dentistry
Education
English Language and Literature (25th in the world)*
History
Law
Materials Science
Medicine
Modern Languages
Nursing (42nd in the world)*
Performing Arts
Pharmacy and Pharmacology (25th in the world)*
Philosophy
Politics and International Studies
Social Policy and Administration
Theology, Divinity and Religious Studies



(QS World Rankings 2022)

*Ranked Top 50 in the QS World Rankings 2022

Trinity's Location

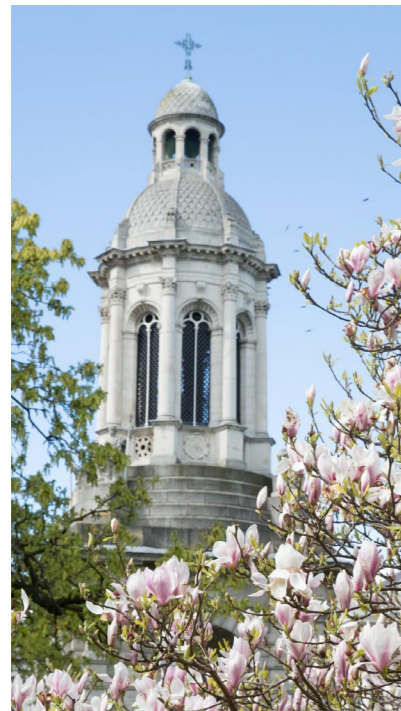
Why Ireland?

Ireland is an English speaking country.

Ireland has the 3rd highest quality of life in the world according to a recent UN report: www.worldpopulationreview.com/country-rankings/hdi-by-country →



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



Ireland is friendly and welcoming. 13th on the World Happiness Index

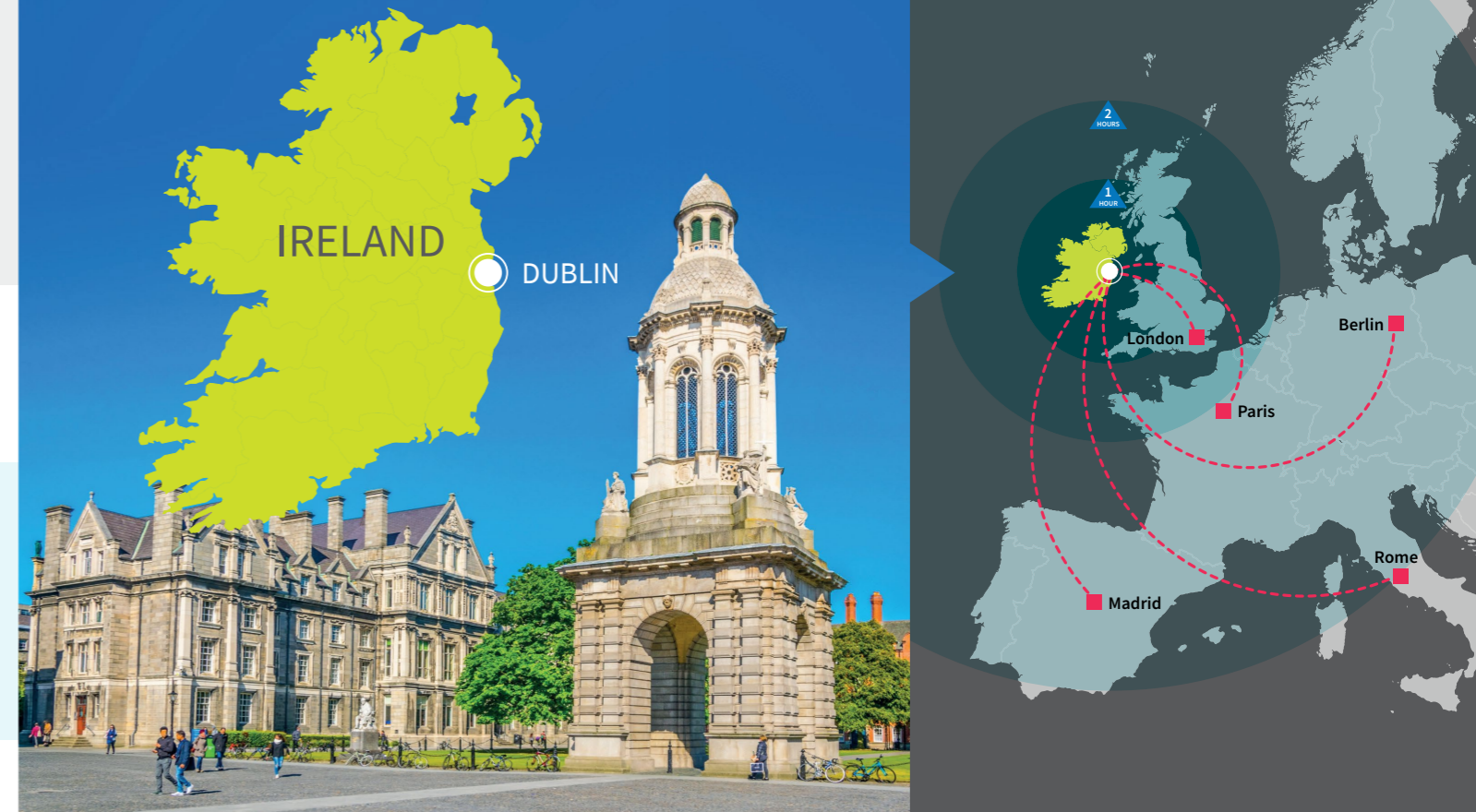
Dublin has been named the 7th best city in the world to visit in 2022. (Lonely Planet, 2022)

Trinity's central location makes it highly accessible for all forms of public transport: tram, rail and bus stops are right outside the University.

Ireland is ranked the 3rd most peaceful country in the world. (Global Peace Index 2022)

Dublin airport is 13km (8 miles) from the campus and is directly accessible via bus or taxi. www.tcd.ie/maps →

As a Trinity graduate you can remain in Ireland to work for 1 or 2 years, depending on your level of study. Find out more: www.irishimmigration.ie/my-situation-has-changed-since-i-arrived-in-ireland/third-level-graduate-programme →

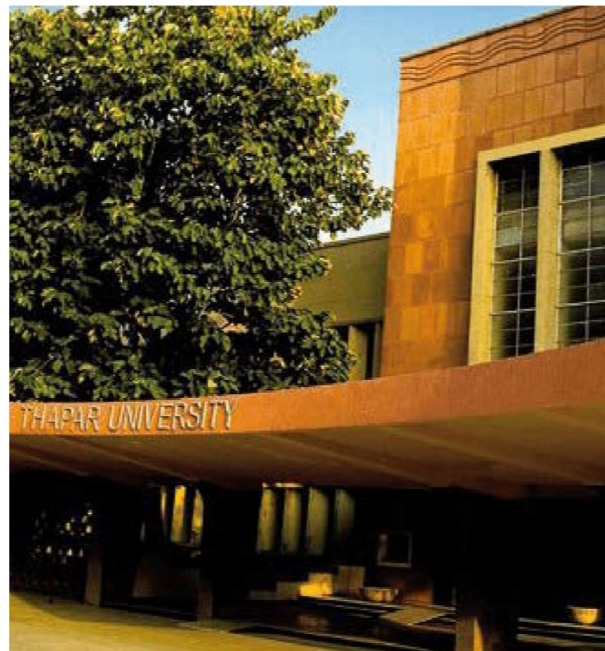


About Thapar Institute of Engineering and Technology



Thapar Institute of Engineering and Technology (TIET), Patiala, is one of India's finest institutions and a steady source of highly skilled manpower to corporate India. TIET has been ranked as the No. 2 private university for engineering in India by THE World University Ranking 2022. The success of TIET lies mainly on cutting-edge research, enviable infrastructure and smart institute industry linkages.

TIET, with its sprawling campus spread over 250 acres, is home to over 100 teaching and research laboratories in engineering and sciences. The majority of the students reside on campus in fully equipped hostels. The already impressive infrastructure will be further bolstered by a new Learning Centre which includes a Green Library, Computer Science Block and Lecture Hall complex.



NBA
Accredited



NAAC
A+ Grade NAAC
Accreditation



ABET
Accreditation of
5 UG programmes

2nd

Ranked 2nd in
Engineering among Private
Universities in India
(THE World University
Rankings 2022)

31st

Ranked 31st out of all
universities in India
(Collegedunia.com)

38th

Ranked 38th in India for
Research Output
(NIRF 2021)

15th

Ranked 15th in India
(QS Rankings 2023 –
Collegedunia.com)

28th

Ranked 28th in 2022
from NIRF
(Collegedunia.com)

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.

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.

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.

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 and 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 17th 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/Engineering/undergraduate/bai/year-3

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/Engineering/undergraduate/bai/year-4

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

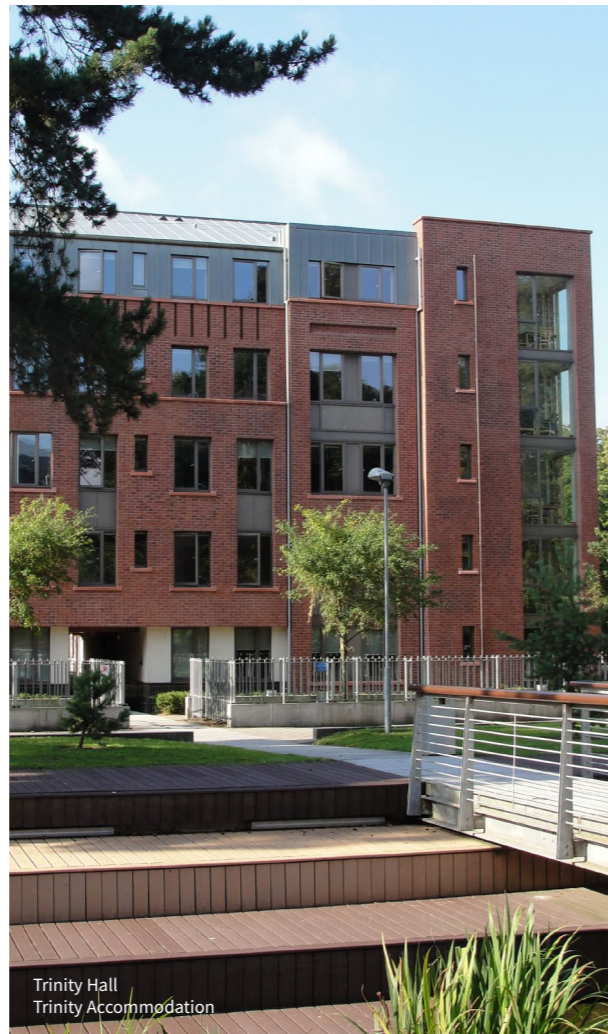
Graduate with Trinity B.A., M.A.I. degrees.

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 provided they apply by May 1st. More information on accommodation options while at Trinity can be found here: www.tcd.ie/accommodation →



Trinity Hall
Trinity Accommodation



Goldsmith 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

A specific International Postgraduate Student Orientation takes place before teaching commences. Details are available at: 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

Trinity Clubs & Societies

As a student at Trinity, you will be able to choose from over 50 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

At Trinity, we have 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



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



Did you know?

Trinity is a Top 100 University for Graduate Employability

QS GRADUATE EMPLOYABILITY RANKING 2022

Trinity is 1st in Europe for producing entrepreneurs for the 7th year in a row

PITCHBOOK UNIVERSITIES REPORT 2021

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



LinkedIn

Microsoft



Rialtas na hÉireann
Government of Ireland

stripe



EY
Building a better working world



HubSpot

Google

accenture
High performance. Delivered.



amazon



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.php →

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

Airport Meet and Greet Service

New international students arriving at Dublin Airport can avail of this free service.

English for Academic Purposes

Trinity offers both pre-sessional and in-sessional English language programmes. Find out more at: 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.php

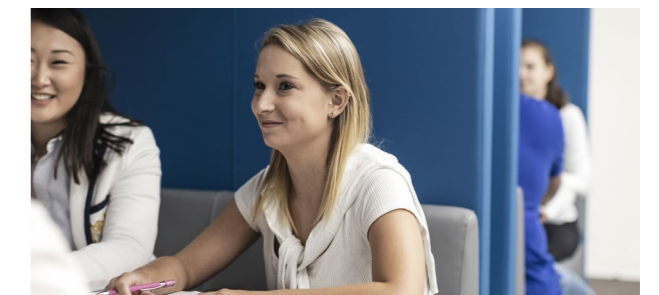
For more information, please contact: tcdglobalroom@tcd.ie

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

Find out more at: www.tcd.ie/study/international/arriving-in-ireland/visa-immigration



Did you know?

Trinity is ranked 12th Most International university in the world

TIMES HIGHER EDUCATION RANKING 2022



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

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
goglobal@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
academic.registry@tcd.ie

Join the Trinity Community


 www.instagram.com/tcdglobal

 www.twitter.com/tcdglobal

 www.linkedin.com/company/tcdglobal

 www.facebook.com/tcdglobal

 www.tcdglobal.wordpress.com

 www.youtube.com/user/trinitycollegedublin

Trinity's Dedicated Channels In-Country

China

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

India

Facebook: www.facebook.com/trinitycollegedublinindia →
Instagram: www.instagram.com/trinitycollegedublin_india/ →

The Americas

Future Applicants from the Americas please follow our dedicated Instagram Account:
www.instagram.com/tcdamericas →

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