Physics Degree:

B.A. (Mod.) in Physics

2 YEARS AT USTB + 2 YEARS AT TRINITY

Pathway to a Degree at Ireland’s Leading University

www.tcd.ie/study
Trinity by Numbers

1st
Ireland’s Leading University (QS World University Ranking 2023 and THE World University Ranking 2023)

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
81st in the World for Graduate Employability (QS Graduate Employability Ranking 2022)

98th
98th World Ranking (QS World University Rankings 2023)

TOP 100 UNIVERSITY
Trinity Top 100 University in the world for 19 Subjects (QS World 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

*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](http://www.worldpopulationreview.com/country-rankings/hdi-by-country)

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.

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

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

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

This programme offers students the opportunity to experience an international education by completing their undergraduate physics degree at Trinity. The School of Physics is part of Trinity’s research-intensive community. Many of our teaching staff are world leaders in their fields. Graduates from this degree will have developed a unique perspective on both fundamental scientific concepts as well as learning about cutting-edge research techniques, a combination that is sought out by many employers today.

Why Study Physics at Trinity?

Trinity is a member of LERU, the League of European Research Universities, in recognition of our outstanding education, research and innovation, something that you will experience first-hand on our physics programme. Trinity’s physics degree is recognised internationally by other leading universities and is accredited by the Institute of Physics, the professional body for physicists in Ireland and the UK. This opens up a pathway for our graduates to become Institute of Physics Chartered Physicists (CPhys).

International Dimension

Trinity attracts a global community of academics dedicated to addressing challenges of vital importance to the world around us. This makes our physics degree both internationally relevant and multidisciplinary in its outlook which is driven by our research-led teaching.

English Language Support

All modules on this programme are taught in English but students can avail of Trinity’s extensive language-learning facilities. Trinity provides students the opportunity to enrol in our “English for Academic Purposes” courses, one of which focuses on tailored language support for students in science, technology, engineering and mathematics students. www.tcd.ie/sslscs/english/trinity_in-sessional_programme/index.php

Module Information

Our range of modules reflect the key skills and experimental theory and techniques that our students require for future employment opportunities. These are:

**Year 3**
- Quantum Mechanics
- Electromagnetic Interactions I
- Condensed Matter I
- Condensed Matter II
- Atomic & Nuclear Physics
- Dynamical Systems
- Experimental Techniques
- Practical in Physics
- Optional Modules:
  - Stellar & Galactic Structure
  - Computer Simulation I

**Year 4**
- Quantum Physics
- High Energy Physics
- Condensed Matter III
- Nanoscience
- Electromagnetic Interactions II
- Modern Optics
- Advanced Topics
- Research Project in Physics*

Note:
Modules and module titles may be subject to change.

2 years at USTB +2 years at Trinity

Trinity’s School of Physics has a long history of teaching and research. Notable past professors include William Rowan Hamilton, George Francis Fitzgerald and Richard Helsham. Former student and professor E.T.S. Walton shared the Nobel Prize in Physics with John Cockcroft for their work on splitting the atom.

Application Requirements

- Final second level qualification results
- Current academic transcripts from USTB
- Two letters of recommendation
- Proof of English language score
- Passport
- Application fee (non-refundable)
- Submit Partnerships Declaration Form

For more details see: www.tcd.ie/courses/undergraduate/az/course.php?id=DUBSC-PYSC-2SCI

Scholarships

Students transferring to this programme from USTB will be entitled to a partial tuition fee waiver. This will be 10% of the total tuition fee in a given year.

Fees

Fees are subject to change. Current fees can be viewed here: www.tcd.ie/academicregistry/fees-and-payments

Visa Advice

To ensure visas are issued in good time during peak student application season, it is advisable for USTB students to apply for their visas as soon as offer letters are received from Trinity.

Admission Requirements

- Eligible applicants will have achieved an average grade of 80% in both Year 1 and Year 2 modules at USTB
- IELTS of at least 6.5 with no individual band less than 6.0

For more details see: www.tcd.ie/sslscs/english/trinity_in-sessional_programme/index.php

Footnote:
- In year 4, students complete a research project under the supervision of an academic. Many students choose to carry out this research project in Europe, North America and China. This unique opportunity allows students to develop their practical skills in a research environment while learning about different countries and cultures.

Note:
- Modules and module titles may be subject to change.

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Note:
- Modules and module titles may be subject to change.
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 1 July. More information on accommodation options while at Trinity can be found here: www.tcd.ie/accommodation →

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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

[Logos of various companies]
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/slis/epenglish

**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

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**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
international@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

Trinity's Dedicated Channels In-Country

China
Bilibili: space.bilibili.com/695604784
WeChat: weixin.qq.com/ER1W9E59Yg9Y%25
Website: weixin.aliyun.com/695604784

India
Facebook: www.facebook.com/trinitycollegehubindia
Instagram: www.instagram.com/trinitycollegehubindia

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

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