



THE UNIVERSITY of EDINBURGH
School of Mathematics

Programme Guide

Undergraduate Dual Degree Programme

Chinese University of Hong Kong
2025 entry

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the element $g_n^{-e_n} =: y$
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word length $\Rightarrow g_n^{-e_n} = (g_1^{e_1})^{-1} \Leftrightarrow$
commutes with $g_n^{-e_n}$

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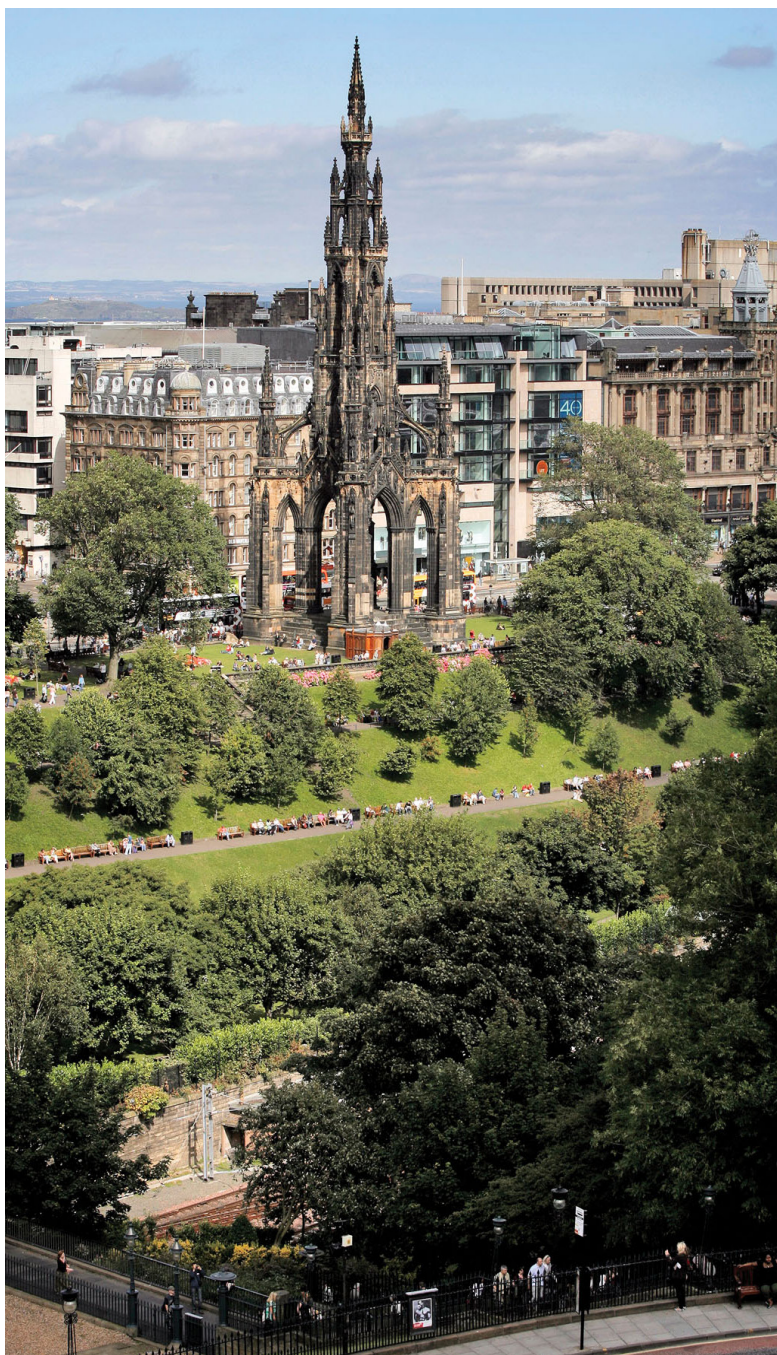
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“Studying at the University of Edinburgh through the 2+2 programme has been amazing. The lecturers and tutors are very engaging, which makes learning enjoyable. My supervisor is knowledgeable and has helped me a lot with my dissertation, allowing me to explore my field more deeply. The University’s career service is great, providing valuable support for my future plans.”



■ **Nigel**
■ BSc (Hons) Mathematics and Statistics
■ Class of 2025 (City University of Hong Kong/UoE)



Introduction

We are delighted that you are considering joining us at the School of Mathematics to pursue one of our undergraduate degrees.

Mathematics has been studied at the University of Edinburgh from its very foundation in 1583. Today we have over 100 academic staff teaching across a full range of mathematical disciplines, including pure mathematics, applied mathematics, statistics, operational research, mathematical finance and data science.

The School of Mathematics at the University of Edinburgh has an agreement with several universities which allows you to study mathematics at undergraduate level for two years at your home university, and then transfer to the University of Edinburgh to complete a further two years of study.

On successful completion of the 4th year at Edinburgh, you will graduate with a Bachelor of Science degree awarded by the University of Edinburgh. You may also be eligible for the award of a bachelor degree from your home university. This is known as a Dual Degree or “2+2” agreement.

This agreement is currently in place with the following universities, but more may be added in due course:

- Chinese University of Hong Kong
- City University of Hong Kong
- Dalian University of Technology
- South China University of Technology
- Tianjin University



Where is Edinburgh and what is it like?

Scotland

The University of Edinburgh is located in Scotland's capital city. Scotland, together with England, Wales and Northern Ireland, makes up the United Kingdom.

Edinburgh is 600 kilometres north of London (approximately 1 hour by plane or 4.5 hours by train). There are easy flight connections to Edinburgh via London, Frankfurt, Istanbul, Paris or Amsterdam.

Scotland enjoys mild winters and warm summers, and has some of the most unspoiled scenery in Europe. With only 10% of the UK population and 33% of the land, there are plenty of wide open spaces to explore.

City of Edinburgh

Edinburgh is the capital of Scotland, and has a population of over 500,000. However, it attracts over 2 million tourists every year, thanks to its historic centre and beautiful location.

It is situated on the river Forth in the east of Scotland, and it is easy to visit the beaches and mountains for which Scotland is famous.

Edinburgh is a beautiful, historic city which has regularly been voted as one of the most desirable places to live in the world. Large enough to offer something for everyone, but small enough to feel like home, Edinburgh is a modern, sophisticated and beautiful European city with a diverse, multicultural community.

University of Edinburgh campuses

The University of Edinburgh has multiple campuses, with most services located at the central George Square campus. You will spend most of your two years studying at the King's Buildings campus, which is home to the University's Science and Engineering subjects.

King's Buildings is about 10 minutes by bus from the city centre, and there is plenty of student accommodation nearby.



Why should I study at the University of Edinburgh?

Reputation of the University

The University of Edinburgh, situated in the capital city of Scotland, is one of the six “ancient” universities in the UK, and was founded in 1583.

The University is ranked 27th in the world in the QS World University Rankings 2025. It is also one of the largest universities in the UK, with nearly 46,000 students. For most of its history, the University of Edinburgh has had a reputation for attracting students from all over the world, and currently has over 16,000 international students from over 160 countries.

Reputation of the School of Mathematics

The University is ranked in the top 5 in the UK for Mathematics and Statistics (Times Higher Education Rankings 2024).

The University of Edinburgh and Heriot-Watt University’s joint submission to the 2021 Research Excellence Framework (REF) obtained outstanding results, with 96% of our research recognised as world leading and internationally excellent. This, combined with the number of academic staff involved, makes Edinburgh one of the UK’s leading centres in mathematics.

Prospects after you graduate

A degree from the University of Edinburgh is recognised throughout the world. The skills gained from our degrees are highly valued across many career pathways.

Key employment sectors for our Mathematics graduates are in finance, data science, IT and operational research. An MSc or PhD is also a popular option.

There is dedicated careers support for our students which will help you prepare for internships, interviews, job applications, and applying for further study.

Which Mathematics programmes can I study?

Before choosing one of our Bachelor of Science (BSc) programmes of study, you should find out if the programme of study you are taking at your home university fits in with ours. If you are in doubt, please ask.

Programme Options

The links below will take you to the Degree Programme Table (DPT), which show the courses our students can take on each degree programme:

- **BSc Applied Mathematics**

<http://www.drps.ed.ac.uk/24-25/dpt/utapmat.htm>

- **BSc Mathematics**

<http://www.drps.ed.ac.uk/24-25/dpt/utmathb.htm>

- **BSc Mathematics and Statistics**

<http://www.drps.ed.ac.uk/24-25/dpt/utmatst.htm>

- **BSc Mathematics and Business**

<http://www.drps.ed.ac.uk/24-25/dpt/utbscmatbu1f.htm>

Please note: these DPTs are for the academic year 2024/25. Individual courses within programmes for future academic years are subject to change.

Degree structure

When you join us in Year 3 of our programmes, there are a range of core 'Honours' courses which develop your knowledge of important topics in Algebra, Analysis, Differential Equations and Complex Variables. These core courses will also enhance your skills in programming, mathematical writing and presentations.

You will begin to tailor the degree to your interests and ambitions by choosing from a wide range of optional courses.

There are options in all the major branches of pure mathematics such as analysis, algebra and geometry, as well as in applied mathematics, theoretical physics, statistics, operational research and financial mathematics.

In Year 4, you will also complete a substantial project or dissertation.





How much will it cost?

University tuition fees

Tuition fees for the 2+2 programme for academic year 2025/26 will be £24,500 and they will be subject to annual revision. Students on the 2+2 programme pay the same fee rate in both of their years of study at Edinburgh.

Accommodation

Students on the 2+2 programme arrange and are responsible for paying their own in-session accommodation costs in both years of study at Edinburgh. All accommodation is either a short walk or bus ride from the city centre and the university.

The rates below relate to the 2024/25 academic year and are for guidance only. Accommodation costs vary, but as a guide, a place in university catered accommodation will cost around £247 per week on a 37-week lease, with options for shared rooms available from £180 per week. This includes your accommodation and your meals (except weekday lunches). A place in self-catered accommodation ranges from around £132 - £215 per week on a 38-week lease, with shared rooms available from £86 per week.

University accommodation rents include all utility bills, personal contents insurance, data network facilities (which provide access to the University's internet and telephone service) and support from the Residence Life team. Cleaning and housekeeping varies according to the location and type of accommodation offered.

You can find more information on university accommodation on our website: www.accom.ed.ac.uk.

Living expenses

Information on the cost of living in Edinburgh for a typical academic year can be found on our university website: www.ed.ac.uk/studying/international/finance.

Of course, these calculations will vary according to your lifestyle.

Scholarships

All students on our 2+2 programme are given a scholarship of £3,500 in each of their two years of study in Edinburgh. This will be provided during Semester 1 and will take the form of a tuition fee discount.



How do I apply to study at Edinburgh?

Applying for the 2+2 programme

If you want to apply for our 2+2 programme, you should let your International Office know. They will be able to advise you on your eligibility and the application process.

What information do I need to send?

You will need to submit your application online by **31st March 2025** along with the following supporting documents:

- Personal statement
- Official University transcripts (in English)
- List of courses currently being studied
- Copy of the photo page of your passport

The personal statement should be written in English and should be no longer than 300 words. You should explain why you want to study your chosen Mathematics programme at the University of Edinburgh; and you can also include your current knowledge of the subject, and any relevant skills or experience.

Late applications are not normally considered.

Scores needed in Year 1 and 2 at your home university

We will make a decision to accept you, based on what you have studied, how well you have performed and how well your course matches to one of ours.

It is highly recommended that you enrol in the maximum number of Mathematics courses your home University offers in your first two years of your degree.

English language requirements

As applicants from the Chinese University of Hong Kong, you do not need to take an IELTS English language test. You are also exempt from taking pre-sessional English language courses.

Interviews

We will ask for your application documents before the interview. Once you have sent the required information, we will contact you to inform you if you have been selected for an interview.

The interviews will take place in April/May in English, and will test your Mathematics knowledge, as well as your language ability. It will be useful to practice speaking about Mathematics in English and reading English language textbooks to familiarise yourself with academic English and the subject's vocabulary.

After your interview

We will inform you of the outcome of your application as soon as possible following your interview and if successful, we will make you an informal offer.

This could be Conditional (if you still have qualifications to achieve for example) or Unconditional (if you have met all our requirements).



What do I do after I have been offered a place?

Receiving an offer

If you meet all the requirements, we will make you an Unconditional Offer and we will send you an official electronic offer letter to confirm your place. This letter allows you to start applying for a visa.

The Admissions Team will send you a “Record of Prior Acceptance” (RPA). This means that we can give you an offer of a place, but you cannot apply for any other university in the UK.

You will be given a UCAS number. Normally, students who want to study in the UK apply through UCAS, and are given a UCAS number when they apply. As you are applying directly through us instead, we will send you your UCAS number. This will allow you to see your application online, and UCAS will contact you to give you a formal offer of a place.

You will also have access to your University of Edinburgh EUCLID account, through which to apply for accommodation and your Confirmation of Acceptance for Studies (CAS) number, which you need in order to apply for a visa to study in the UK.

We will guide you through this process. It's important that you monitor your email inbox as we will use this to communicate with you during this time.

Visa

You must apply for a visa to come and study in the UK. The offer letter from us will enable you to start the application process. Your International Office will be able to advise you on this. Further information relating to visa requirements can be found at: www.ed.ac.uk/student-administration/immigration.

Fees

You must be prepared to pay the university fees at the start of semester. Full details, including how to pay, are on the University website: www.ed.ac.uk/tuition-fees/payment.

Accommodation

For your first year of study with us, you may apply for university student accommodation as soon as you have an unconditional offer. You will be guaranteed a place in accommodation, provided that you apply by the published deadline. Full details, including accommodation options, deadlines and how to apply and pay, are on the Accommodation website: www.accom.ed.ac.uk.

Studying

It is important to remember that you will be expected to cope with all the lectures and workshops as soon as you start studying with us.

We will help you with your language studies and any extra tutorials before the start of semester, but after that you are expected to perform in the same way as other students.

We have exams in December, so it is important to start studying hard as soon as you arrive. We do not make any extra allowances for overseas students in exams; you will be treated in exactly the same way as all other students.

Pre-sessional Statistics course

You may be required to attend a pre-sessional Statistics course, which will cover any gaps in your knowledge and will be beneficial to you in demonstrating the teaching approaches used at the University of Edinburgh. This is usually delivered online, before the start of Semester 1.

Academic Guidance

Every student will be allocated a Student Adviser and Academic Cohort Lead, through whom personal and academic guidance will be provided. The Institute for Academic Development also offers study skills workshops, self-study learning resources and advice to help you succeed in your studies: www.ed.ac.uk/institute-academic-development.



Checklist

- If you are thinking of applying, start to plan now
- Inform your International Office of your interest
- Work out which degree programme you are interested in studying at Edinburgh
- Prepare to send the information required to apply
- Be prepared for an interview in April/May 2025
- If successful at interview and made an offer, apply for a visa as soon as you can
- Book and pay for accommodation for the start of your studies
- Prepare to pay tuition fees

Further Information

- The University of Edinburgh: www.ed.ac.uk
- Information for international applicants: www.ed.ac.uk/studying/international
- School of Mathematics: www.maths.ed.ac.uk/ug
- Tuition Fees: www.ed.ac.uk/tuition-fees/find
- University of Edinburgh Accommodation: www.accom.ed.ac.uk
- Edinburgh University Students' Association: www.eusa.ed.ac.uk

Testimonials

“Studying at the University of Edinburgh has been an amazing journey! The University offers a lot of teaching resources, and the teaching methods here are rigorous yet inspiring. The courses are not just about theory, but we understand the concepts through practice, which helps us internalise what we have learned. Immersing myself in a new culture, I also gained new perspectives and made connections with classmates from all over the world.”

- Ken
- BSc (Hons) Mathematics and Statistics
- Class of 2025 (South China University of Technology/UoE)

“At the University of Edinburgh, I gained extensive knowledge across diverse fields, with the flexibility to tailor my studies to focus on areas of interest within statistics, finance, or pure mathematics. Many of the statistics courses incorporated project-based learning, providing me with a range of practical skills that are directly applicable in real-world contexts.”

- Xudong
- BSc (Hons) Mathematics and Statistics
- Class of 2025 (Dalian University of Technology/UoE)

“My experience in the 2+2 programme at the University of Edinburgh has been both challenging and rewarding. The curriculum has deepened my understanding of mathematics and statistics, and the faculty have been incredibly supportive. The diverse academic environment has not only broadened my perspective but has also equipped me with skills that I can see applying to my career in the future.”

- Minzi
- BSc (Hons) Mathematics and Statistics
- Class of 2025 (City University of Hong Kong/UoE)

“The academic experience at Edinburgh is just out of this world. All professors and tutors are incredibly nice and ready to help with any question you may have. I'm also glad to have had so many course choices in my final year, which allowed me to tap into many new areas of mathematics.”

- Vojin
- BSc (Hons) Applied Mathematics
- Class of 2025 (City University of Hong Kong/UoE)



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