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Open door policy

Academic staff who teach on our undergraduate programmes have dedicated office hours for student queries and for additional support. You will receive feedback on all work submitted and teaching staff are happy to discuss this with you if you have any concerns.

Teaching Office

This is your one-stop shop for enquiries ranging from timetabling and exams to module choices and coursework. The Office can also offer more general support, and if they don't have the solution then they will know who to contact.

Academic advisor

When you start at Lancaster you will be assigned an academic advisor, who will (where possible) remain your tutor for the duration of your studies at Lancaster.

This is an academic member of staff who you will meet with once a term in order to check your progress and personal development. Your academic advisor can provide both academic and pastoral advice and you can arrange to meet them at any point if you feel that you would benefit from the additional support.

They can provide extra feedback on coursework, give advice on module choices and discuss potential career options.

Learning developer

In the Faculty of Science & Technology, we have a dedicated learning developer who can offer tips on finding suitable reading resources and managing your time to achieve your full potential through effective study practices and good scientific writing.

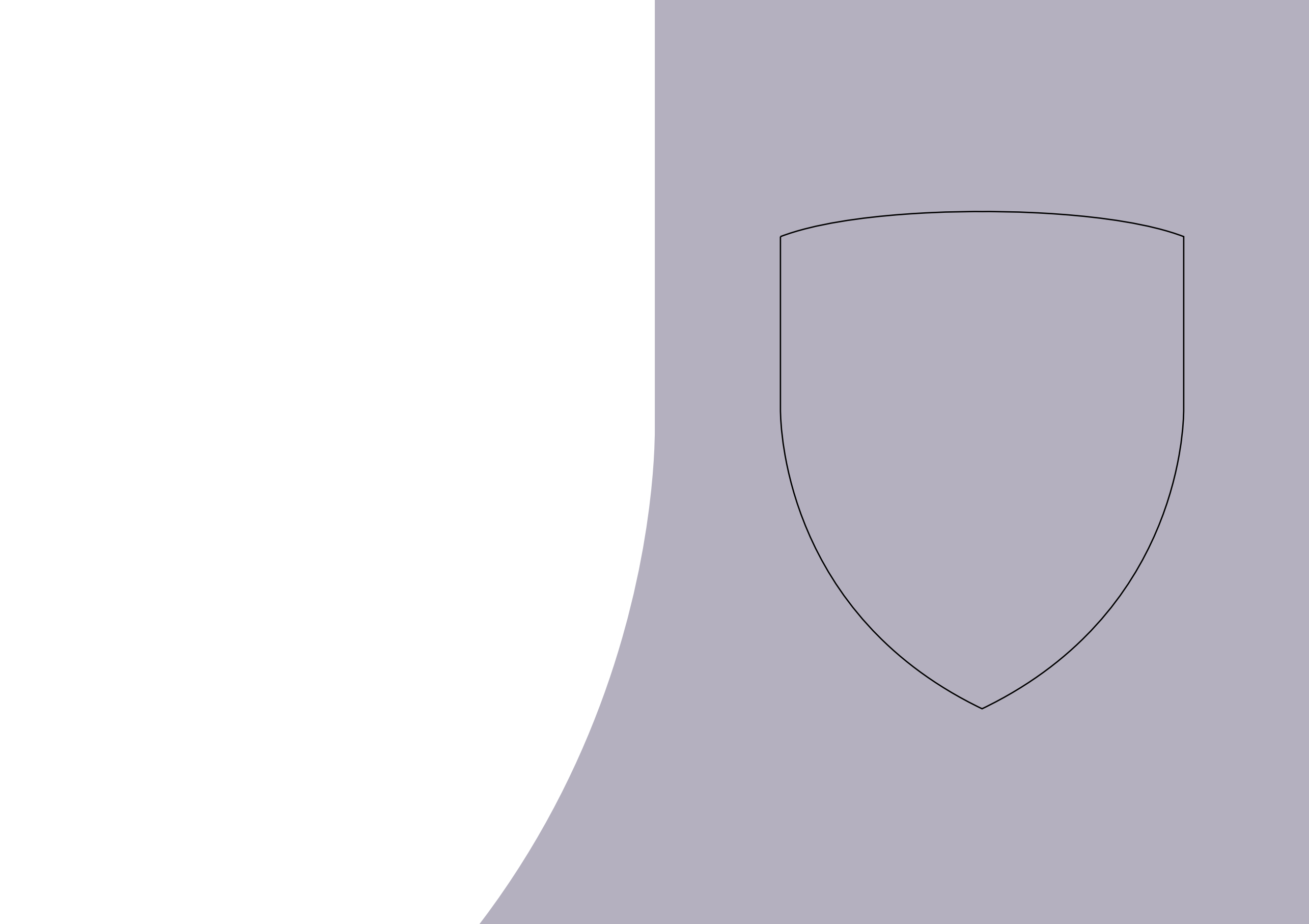
We also offer a Maths and Stats Hub (MASH). This is a tailored and inclusive service, which aims to advance undergraduate students' knowledge and skills, improving their academic performance, confidence and preparedness for the workplace. For more information, please visit www.lancaster.ac.uk/maths-learning-development/.

Transitions team

Settling into university can take time. Here at Lancaster we have a dedicated team who will support you during

the first few weeks of your studies. You can contact them via email at transitions@lancaster.ac.uk or by phone on 01524 576012.





Why Lancaster?

Lancaster has been the perfect place for me. The campus

Ellen Sayles



At A levels I studied Maths, Further Maths and Chemistry but I was always really focused on doing a Maths degree. Coming to Lancaster I thought I wanted to study pure mathematics but after the first year I decided that I wanted to change to mathematics and statistics. This change was quite easy to make as Lancaster allows us some flexibility with our degree schemes. The course is designed so that you can get what you want out of your degree, and I am happy I could change when I wanted.

In my third year, I will be going on a Placement Year. I will be joining GlaxoSmithKline (GSK) to go into the Supply Chain team based at Barnard Castle. During my 12 months placement I will gain paid work experience in a business environment before returning to finish my degree the year after. For me, it was an opportunity to see what the working world is like and help me decide what I would like to do after university.

The placement is something I had to set up myself with the support from the University. In my first year I was

BSc Mathematics (Placement Year)

Our programmes

We offer degrees in Mathematics, Mathematics with Statistics and several combined courses detailed on the following pages.

Mathematics

BSc Mathematics - G100

MSci Mathematics - G101

BSc Mathematics (Placement) - G102

MSci Mathematics (Study Abroad) - G103

Mathematics with Statistics

BSc Mathematics with Statistics - G1G3

MSci Mathematics with Statistics - G1GJ

BSc Mathematics with Statistics (Placement) - GCG3

MSci Mathematics with Statistics (Study Abroad) - G1GH

Flexibility

It is possible to transfer between Mathematics and Mathematics with Statistics up until the end of the second year, subject to fulfilling progression criteria.

Study abroad

A number of our degree programmes offer the opportunity to spend a year abroad studying at one of Lancaster's partner institutions. Destinations vary each year, with past students staying in the USA, Canada, New Zealand, and Australia.

How you'll learn

Lectures

Lectures will introduce you to course content. During your first year, you will typically have four of these per week in each mathematics and statistics module. They are taught in large groups with fellow students from across the year group. Whilst this form of teaching is mostly led by the lecturer, we do encourage you to actively participate.

Problem-solving

In your first year, we run problem-solving classes designed to develop your skills to tackle university-style mathematics. Working in small groups, you will apply your mathematical knowledge to a set of problems.

Computer labs

Some practical work is undertaken in specialist computer labs. This involves working with statistical and mathematical software to develop programming skills and enhance your employability.

Workshops

Our regular workshops will guide you throughout your studies by providing expert support and guidance.

You will work in small groups with specialist tutors to develop knowledge and understanding of module content and practise applying the skills you have gained.

Calculus

Calculus is concerned with derivatives (which measure rates of change) and integrals (which measure area) and is usually introduced as rules for differentiating or integrating simple functions. You will see how to use the notion of a limit to define derivatives and integrals for many more functions. You will also study complex numbers, which are important in themselves and also have practical uses in, for example, electrical engineering.

Further Calculus

The graphs of functions of two real variables look like surfaces, with hills, valleys and other features. This module extends calculus to deal with these, introducing partial derivatives, and explains how repeated integration may be used to calculate volume. You will also be introduced to techniques for solving elementary differential equations.

Probability

In this module you will explore the ideas of probability models, which characterise the outcomes of different types of experiment that involve a chance or random component.

Statistics

Statistical thinking plays a key role in addressing scientific problems where the recorded data is subject to systematic and random variations. This module will provide you with the tools to formulate appropriate models and implement the associated critical techniques.

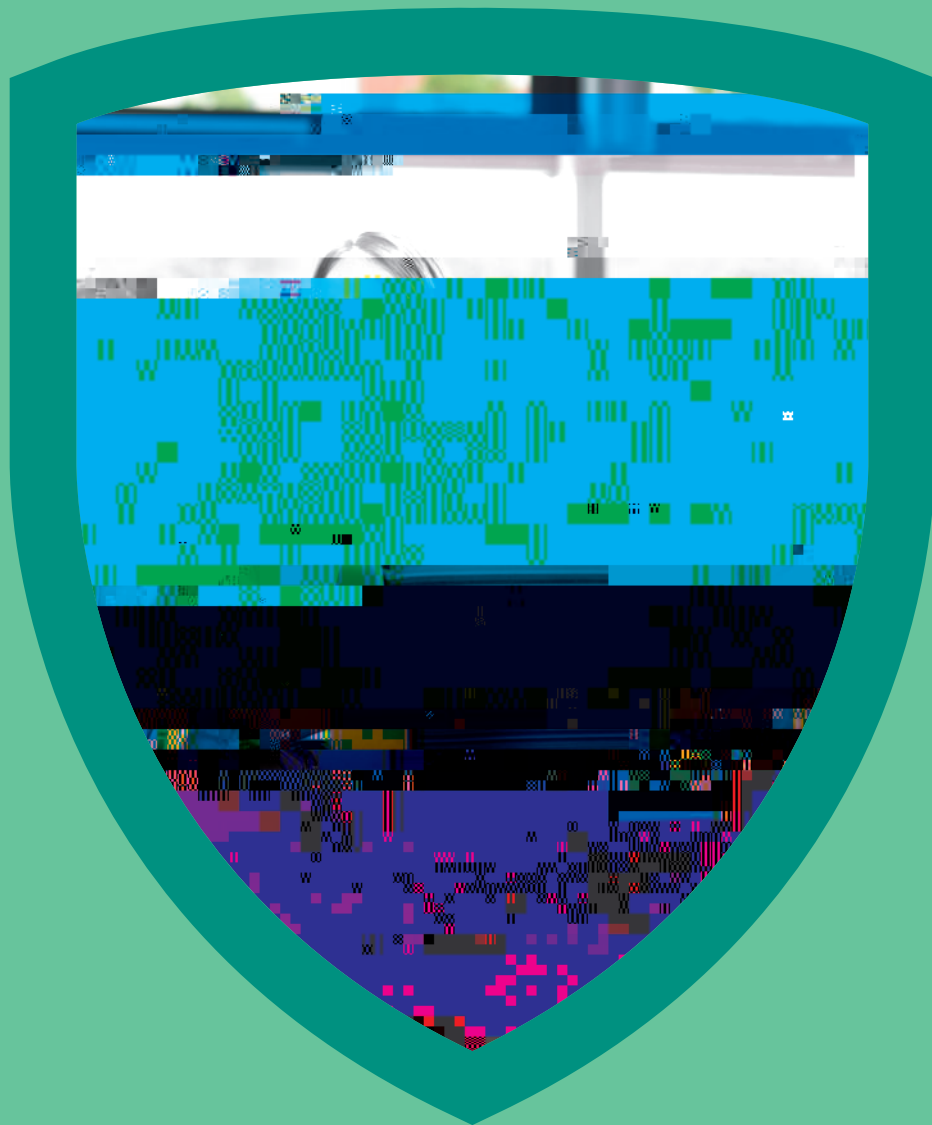


Minors are a great way to try a second subject at university level, and you may even choose to continue your minor and/or transfer to one of our combined degrees. Some available minor choices include:

Physics
Accounting & Finance
Economics
Philosophy
Computer Science
Management Science
French/German/Spanish/Chinese/Italian
Chemistry

Other minor choices may be available upon arrival, but are not guaranteed. Minor choices are only available on single honours courses. For example, if you choose to study BA Mathematics and Philosophy, Philosophy is the equivalent of you.

Andra Claudia Stefan



BSc Mathematics



A place for Claudia

Claudia grew up in Romania and chose Lancaster to study her degree in Mathematics.

I am a third year Mathematics undergraduate. I have been passionate about mathematics since primary school. I was fascinated by geometry especially because we can find its principles everywhere around us. For example, the way bees build their hive in a hexagonal shape, or how Fibonacci numbers appear in snail shells.

Studying Mathematics at Lancaster University was a great decision. I feel like the Maths and Stats Department provides the space and opportunity to sharpen the students' skills and grow with support available for everybody. In my first academic year, I realised the importance of statistics and maths in the real world. After graduation, I would like to build my career in research applying the methods I have learnt.

One thing that made me choose Lancaster University was the campus, especially the variety of places where you can have a picnic with friends or enjoy outdoor sports. Moreover, Lancaster University is famous for its social life. With 9 colleges, you have plenty of opportunities to make friends and take part in various activities and competitions between the colleges or the legendary Roses competition between Lancaster and York universities. Being an international student, I can say that Lancaster University became my second home. As I enjoy studying Maths at Lancaster University, I decided to become a Maths Ambassador to engage more with the Department and fellow students.

Although studying Mathematics can be very challenging at times, I believe that the rational mind and hard work I have developed during my studies will always help me to solve any problems in my life.



BSc - GG14
BSc (Placement Year) - GG1L
MSci - GG1K

Mathematics underpins technology and so these two subjects create an exciting combination. The computer science component of this degree covers languages and logic, software engineering, communications and systems. The course contains a careful balance of theory and practice which will prepare you well for graduate-level jobs in industry.

First year

Covering the common core content of the single honours programmes, you will also be introduced to the fundamentals of computer science and to software development.

Second year and beyond

In the second year, you will complete a group project in computer science and will enhance your knowledge of software design whilst introducing you to Human-Computer Interaction Technology. You will also be required to study linear algebra plus three other subjects from the Department of Mathematics and Statistics. The third year allows for more flexibility and you will be required to take four modules in each of the subject areas. Those on the MSci pathway will complete a dissertation in mathematics or statistics or may complete a computer science project. You will also be able to choose from a wide range of specialist modules linked to the research expertise of the two departments.

BSc - G900

BSc (Placement Year) - G901

BSc (Study Abroad) - G902

MSci (with Industrial Experience) - G903

Data science plays a vital role in all aspects of the modern world. This course will ensure you have a strong foundation in this rapidly expanding, highly in-demand field. You will gain cutting-edge knowledge and skills through state-of-the-art equipment and excellent teaching o



Entry requirements

The A level entry requirements for each of our programmes are listed below. For alternative qualifications and international entry requirements, please contact ugadmissions@lancaster.ac.uk

Programme of Study	Including Maths (at Grade A)	Including Maths and Further Maths (at least one at Grade A)

Additional test TMUA

Whilst not required, we do recognise the value of additional tests you may take and this is reflected in the offers that we make to our applicants.

lancaster.ac.uk/math