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☎ +44 (0)115 951 5559
❓ www.nottingham.ac.uk/enquire
🌐 @UoNMaths @UoNScience

This brochure has been drafted in advance of the academic year to which it applies. Every effort has been made to ensure that the information contained in this brochure is accurate at the time of publishing, but changes (for example to course content) are likely to occur given the interval between publication and commencement of the course. It is therefore very important to check our website for any updates before you apply for the course by following www.nottingham.ac.uk/ugstudy. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence.

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Printed June 2016.
Imagine... making your future count

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Welcome to the School of Mathematical Sciences

The School of Mathematical Sciences has a strong commitment to teaching and research of the highest quality. The school sits in the top 10 nationally within mathematical sciences for research power in the Research Excellence Framework (2014).

Above all, we place an emphasis on offering a caring environment in which all students can develop and prosper and be supported by our dedicated teaching officer, our peer mentoring scheme and our personal tutor system.

I look forward to welcoming you to Nottingham.

Professor Ian Dryden
Head of the School of Mathematical Sciences

The School offers a stimulating and dynamic environment in which to study, providing a wide variety of modules across applied mathematics, pure mathematics and probability and statistics. We offer a flexible structure with opportunities to study exciting, modern topics such as financial mathematics, mathematical medicine, cryptography and quantum information plus the chance to study topics in other subject areas.

Visiting us

Open days
Visiting us in person is the best way to get a feel for student life at Nottingham. You can explore our campuses, facilities and accommodation, speak to staff and current students and find out key information about your course.
Visit www.nottingham.ac.uk/opendays or call +44 (0)115 951 5559 to book your place.

UCAS visit days
Offer-holders have the opportunity to visit the school and find out more about their chosen course at a UCAS visit day.
Visit www.nottingham.ac.uk/go/visitdays to view the dates and book your place.

#UoNOpenDay UoNApplicants @UoNApplicants

Mathematics is the universal language of science, technology and finance, and can lead to a wide range of careers in these fields.

Find out where a degree in mathematical sciences could take you: www.nottingham.ac.uk/mathematics
Studying mathematical sciences at Nottingham

Mathematics degrees at Nottingham encompass a wide variety of topics, ranging from the abstract ideas of algebra and number theory to financial applications of statistics and the mathematical modelling of biological phenomena. We have a wide range of modules on offer so you will find plenty to keep you interested, whether your particular preferences lie in probability and statistics or in pure or applied mathematics.

A mathematics degree is highly valued by employers and leads to a wide variety of stimulating and financially rewarding careers, so you can look forward to a bright future while studying something that you enjoy.

Teaching Officer
The School employs a Teaching Officer who has experience of teaching mathematics at a variety of levels, and is therefore ideally qualified to help you adapt to the style and content of university-level mathematics. The Teaching Officer runs drop-in sessions where you can get additional help for your first-year modules, and help you catch up if illness or other problems have prevented you from attending lectures.

Teaching quality
The School has a record to be proud of in terms of its teaching and research. Our lecturers have been recognised with honours such as the Vice-Chancellor’s Medal and the Lord Dearing Award, which recognise the outstanding achievements of staff in enhancing your learning experience, and in the university’s Staff Oscars which are voted for by students.

Research excellence
Our research interests inform and shape the third and fourth years of our courses. You will have the opportunity to nurture and develop an interest in one or more areas, of the specialised areas within mathematics, by taking advanced modules which allow you to approach the frontiers of mathematical research.

Facilities
You will benefit from a recently built, dedicated building for mathematical sciences. You will work and study in a bright and pleasant environment, occupying the same space as the lecturers who will be teaching your mathematics modules. Facilities include a silent study workroom, a group workroom, a common room, breakout pods and a computer workroom. Nearby is the George Green Library, which also offers a range of study areas where you have access to all the reference material and books that you will need.

Summer internships
You can take advantage of the research expertise available in the school by applying for one of our highly sought-after summer internships. These paid positions give you a chance to gain experience of hands-on mathematical research by working on a project with an academic member of staff that could be published in leading journals.

Accreditation
All of our single honours mathematics courses and our financial mathematics course are accredited by the Institute of Mathematics and its Applications. Specific pathways in our courses are also accredited by the Royal Statistical Society and students who study appropriate statistics modules gain exemption from some exams of the Institute and Faculty of Actuaries.

** National Student Survey, 2015.

For more information about studying mathematical sciences visit www.nottingham.ac.uk/mathematics
Our courses

We normally ask for evidence of additional achievement in mathematics, such as grade A* in mathematics, grade A in AS or A level further mathematics; STEP can also be taken into account, if offered.

For our joint honours courses, it is not always necessary to have studied the non-mathematics component at A level.

Other UK and international qualifications (International Baccalaureate, BTEC and others) are considered on an individual basis, with offers equivalent in standard to the A level package.

You are not required to have studied further mathematics as we recognise that some schools and colleges offer limited support for this subject. While the extra mathematical experience gained by taking further mathematics at A level or AS level may be helpful to you in your first year, you should not be disadvantaged in subsequent years of study if you have not taken these.

English language requirements
For more information and a list of the alternative English language requirements we accept, please see www.nottingham.ac.uk/go/alternativerequirements

Preparing to study in English
Students who require extra support to meet the English language requirements for their academic course can attend a pre-sessional course at the Centre for English Language Education (CELE) to prepare for their future studies. Students who pass at the required level can progress directly to their academic programme without needing to retake IELTS. For more information, please visit www.nottingham.ac.uk/cele

Related courses
BSc Data Science
The ability to extract and exploit useful information from large data sets is becoming an issue of central importance to commerce and science. The rapid emergence of this big data challenge has led to an urgent need for graduates who are skilled in the sophisticated mathematical and computational techniques required. This three-year BSc provides an equal combination of mathematics (with emphasis on statistics and probability) and computing, designed to allow you to take advantage of the growing and exciting job opportunities in this field.

BSc/MSc Mathematical Physics
The mathematical physics course provides an excellent opportunity for applicants who are interested both in mathematics and physics. The core modules are carefully chosen from the modules taught by the School of Mathematical Sciences and the School of Physics and Astronomy in such a way that they constitute a coherent programme, while a wide range of optional modules allows you to specialise in particular areas of physics and mathematics.

This course is available as a three year (BSc) or a four year (MSci) programme.

BSc/MSc Natural Sciences
Natural sciences degrees are multidisciplinary programmes that enable you to study mathematics together with your choice of other science subjects. Options include biological sciences, chemistry, geography and physics. You can tailor your studies as the course progresses, specialising to suit your own interests and to open up a variety of career options.

For more information on these courses, please see www.nottingham.ac.uk/ugstudy

Degree title | UCAS code | Duration | A levels | IB
---|---|---|---|---
Single honours
BSc Mathematics | G100 | 3 years | A*AA/AAA/A*AB | 36
MMath Mathematics | G103 | 4 years | A*AA/AAA/A*AB | 36
BSc Mathematics (International Study) | G104 | 4 years | A*AA/AAA/A*AB | 36

Major/minor honours
BSc Financial Mathematics | G120 | 3 years | A*AA/AAA/A*AB | 36

Joint honours
BSc Mathematics and Economics | GL11 | 3 years | A*AA/AAA | 36
BSc Mathematics and Management | GN12 | 3 years | A*AA/AAA/A*AB | 36

* Three A levels, or equivalent, including mathematics at grade A. Applicants may be asked for one of: A* in A level mathematics, A in A level further mathematics or A in AS level further mathematics. STEP is not required but may be taken into consideration when offered.

Course structure
We offer a range of courses in which mathematics can be studied on its own or in combination with other subjects. Courses offering mathematics as a single subject include the four-year BSc Mathematics (International Study) in which you can spend a year studying at one of our international partner universities, while our other courses allow you to spend a semester abroad.

Our BSc Financial Mathematics course combines mathematics as a major subject, accounting for about 70% of your studies, with finance as a minor subject. Our other joint honours courses offer an equal split with the second subject.

Three or four years?
Transfer between the three-year BSc Mathematics and the four-year MMath Mathematics is straightforward in the first two years. If you are unsure at this stage which option is better for you, it may help you to know that we treat applicants to both courses in the same way during our admissions process.

The course structures are identical until the third year of study.

The BSc course provides you with a broad background in your chosen subjects, with the opportunity to specialise. The MMath course allows you to study particular areas to a deeper level, enabling you to complete a substantial dissertation in the final year on a subject close to the frontiers of research.

Required subjects
You will need to study three or more A levels and achieve a minimum of grade A in A level mathematics or equivalent. Our offers are generally based on grades achieved in three A levels, or equivalent, and all subjects are accepted with a small number of exceptions which currently include general studies, critical thinking and citizenship studies.

For more detailed course content visit www.nottingham.ac.uk/mathematics

For more detailed course content visit www.nottingham.ac.uk/mathematics
BSc/MMath Mathematics

We offer three courses in which mathematics is taken as a single subject: a three-year BSc offering a broad education in mathematics with the ability to specialise; a four-year MMath including a substantial dissertation and more advanced study in a specialisation of your choice; and a four-year BSc which adds a year of study abroad to the standard BSc.

Key features of the courses include:
- flexibility of choice of modules across a wide range of topics
- the possibility to opt for a named degree such as Mathematics with Statistics, which is accredited by the Royal Statistical Society, obtained by applying for either the BSc or the MMath Mathematics courses and then choosing specified modules during your degree
- opportunity on the BSc/MMath Mathematics courses to apply to spend a semester studying abroad

Year one
In the first year of these courses, you will study core material common to all our degrees and also take foundation modules in the specialisations of probability and statistics and of pure and applied mathematics.

Year two
In the second year, you can begin to specialise in one or more of these areas. Options in probability and statistics and in pure and applied mathematics build on the foundations developed in the first year. We also offer a range of interdisciplinary modules, including our optional professional skills module which allows you to gain experience in communication and to learn what potential employers look for in graduate recruits.

Year three
Most students specialise in one of the areas of probability and statistics and of pure and applied mathematics, although students on the BSc courses are free to choose modules more broadly if they want to. There are also opportunities to take modules based on project work which help to develop essential skills for later employment. Project modules are optional for students on BSc courses but are required of students on the MMath course as they provide essential preparation for the final year dissertation on that course.

Year four (MMath students only)
You will choose from a wide range of advanced optional modules, and will also write a dissertation which accounts for one third of your fourth year. You are required to specialise to some extent in one of the three main subject areas, although you can choose modules from other subject areas as well.

BSc Mathematics (International study)
This course offers the same three years as the BSc Mathematics course, but includes an additional year of study at an overseas university between the second and final years.

Your year abroad can be spent at either an English-speaking university or with one of our European partners, with lectures in the language of the host country. In both cases this is a very rewarding experience; you will learn about the cultural differences in mathematics teaching around the world as well as benefit from potentially life-changing experiences, both personally and professionally.

You can apply for the year abroad during your second year; places are competitive and depend on academic performance (60% minimum average) and language qualification, where appropriate.

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

Typical modules for BSc Mathematics (G100), MMath Mathematics (G103), BSc Mathematics (International Study) (G104)

<table>
<thead>
<tr>
<th>Core mathematics modules:</th>
<th>Optional modules include:</th>
<th>Optional modules include:</th>
<th>Core module:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Analytical and Computational Foundations</td>
<td>• Algebra and Number Theory</td>
<td>• Advanced Quantum Theory</td>
<td>• Dissertation</td>
</tr>
<tr>
<td>• Calculus</td>
<td>• Complex Functions</td>
<td>• Coding and Cryptography</td>
<td>Optional modules include:</td>
</tr>
<tr>
<td>• Linear Mathematics</td>
<td>• Introduction to Mathematical Physics</td>
<td>• Communicating Mathematics</td>
<td>- Advanced Fluid Mechanics</td>
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<tr>
<td></td>
<td>• Introduction to Scientific Computation</td>
<td>• Differential Equations</td>
<td>• Algebraic Geometry</td>
</tr>
<tr>
<td>Other modules</td>
<td>• Mathematical Analysis</td>
<td>• Fluid Dynamics</td>
<td>• Applied Nonlinear Dynamics</td>
</tr>
<tr>
<td>(60 credits) include:</td>
<td>• Modelling with</td>
<td>• Game Theory</td>
<td>• Biomedical Statistics</td>
</tr>
<tr>
<td>• Foundation modules</td>
<td>Differential Equations</td>
<td>• Mathematical Finance</td>
<td>• Black Holes</td>
</tr>
<tr>
<td>in pure mathematics,</td>
<td>• Probability Models and Methods</td>
<td>• Mathematical</td>
<td>• Computational Analysis</td>
</tr>
<tr>
<td>applied mathematics</td>
<td>• Professional Skills for</td>
<td>Medicine and Biology</td>
<td>• Elasticity</td>
</tr>
<tr>
<td>and probability</td>
<td>Mathematicians</td>
<td>• Applied Statistical</td>
<td>• Quantum Information</td>
</tr>
<tr>
<td>and statistics</td>
<td>• Statistical Models and</td>
<td>Modelling</td>
<td>• Science</td>
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<tr>
<td></td>
<td>Methods</td>
<td>• Number Fields and</td>
<td>• Time Series and</td>
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<td></td>
<td>• Vector Calculus</td>
<td>Galois Theory</td>
<td>Forecasting</td>
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<td></td>
<td></td>
<td>• Quantum Chaos and</td>
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<td>Disorder</td>
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<tr>
<td></td>
<td></td>
<td>• Rings and Modules</td>
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<tr>
<td></td>
<td></td>
<td>• Topics in Scientific</td>
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<tr>
<td></td>
<td></td>
<td>Computation</td>
<td></td>
</tr>
</tbody>
</table>

“One of the great things about a maths course is the sheer reach of where it can be applied. I’ve studied everything from winning strategies in chess to using maths to model the rate a tumour can grow at.”

Alex Connolly, BSc Mathematics
The financial world is heavily reliant on mathematics and on the skills of analytical reasoning and problem solving that a mathematical education offers. This course is designed to enable you to develop a thorough grounding in mathematics, with emphasis on aspects that are of particular relevance to finance, while at the same time enabling you to study a broad range of topics within finance itself.

Key features of the course include:

- having around 70% of the modules dedicated to mathematics, with the remaining 30% being spread across a range of finance and economics topics
- having a mathematics side of the course that is oriented towards financial mathematics as well as probability and statistics – modules can also be taken in other areas of mathematics
- no requirement to have previously studied finance or related subjects
- being designed to provide you with specific knowledge but also mathematical techniques and skills suitable for entry to a wide range of careers in the financial world and elsewhere
- students on this course can apply to spend a semester studying abroad

Year one

Two-thirds of the first year is devoted to mathematics; you will study core mathematics as well as probability and statistics. The remaining third of the first year comprises modules devoted to financial topics such as microeconomics for business, financial accounting and business finance.

Year two

Three-quarters of the year is devoted to mathematics, with modules that extend your expertise in probability and statistics, enhance your computational and numerical skills, and develop the more general skills that are important for careers in mathematics and finance. The remaining quarter is devoted to financial topics.

Year three

Half of the third year will comprise of compulsory modules in mathematics and finance. In the remaining half of the year you will pick up optional modules, and while you can continue with these subject areas, you can also pick up modules based on your interests. The third year also gives you the chance to really fine-tune the key skills and knowledge gained in the first two years.

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

For more detailed course content visit www.nottingham.ac.uk/mathematics

“ This course gave me a great insight into the world of finance, business and its applications through mathematics. It gave me the confidence to use real techniques and methods in many areas of finance as well as analytics and statistics. I enjoyed my accounting modules and now I certainly have the confidence to pursue my chosen career.”

Daria Yakimovich, BSc Financial Mathematics
BSc Mathematics and Economics

The mathematics and economics course provides a broad education in mathematics and substantial degree-level studies in economics. The course combines the flexible skills of mathematics, such as problem solving and numeracy, with valuable subject knowledge in economics. This combination is attractive to employers and the course leads to excellent career prospects.

Key features of the course include:
- being aimed at mathematically minded students seeking to enter the business or financial sector
- no requirement to have previously studied economics
- a wide range of options in mathematics and economics
- students on this course can apply to spend a semester studying abroad

Year one
Two-thirds of the first year consists of mathematics and covers material such as calculus, linear mathematics, mathematical software, methods of proof, probability, and statistics. The other third is dedicated to introductions to microeconomics and macroeconomics. The first year builds a foundation, so that a broad choice of mathematics and economics topics can be studied in later years.

Year two
Your time in the second year is equally split between mathematics and economics; in both disciplines there is a wide range of modules to choose from.

Year three
In year three, your time is split equally between both mathematics and economics, and you will undertake a wide range of optional modules in both disciplines.

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

For more detailed course content visit www.nottingham.ac.uk/mathematics

Typical modules for BSc Mathematics and Economics (GL11)

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
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</thead>
<tbody>
<tr>
<td>Core mathematics modules:</td>
<td>Optional mathematics modules include:</td>
<td>Optional mathematics modules include:</td>
</tr>
<tr>
<td>• Analytical and Computational Foundations</td>
<td>• Complex Functions</td>
<td>• Coding and Cryptography</td>
</tr>
<tr>
<td>• Calculus</td>
<td>• Introduction to Scientific Computation</td>
<td>• Game Theory</td>
</tr>
<tr>
<td>• Linear Mathematics</td>
<td>• Mathematical Analysis</td>
<td>• Mathematical Finance</td>
</tr>
<tr>
<td>Probability and statistics modules:</td>
<td>• Differential Equations and Fourier Analysis</td>
<td>• Metric and Topological Spaces</td>
</tr>
<tr>
<td>• Probability</td>
<td>• Probability Models and Methods</td>
<td>• Applied Statistical Modelling</td>
</tr>
<tr>
<td>• Statistics</td>
<td>• Statistical Models and Methods</td>
<td>• Statistical Inference</td>
</tr>
<tr>
<td>Economics modules:</td>
<td>Optional economics modules include:</td>
<td>Optional economics modules include:</td>
</tr>
<tr>
<td>• Introduction to Microeconomics</td>
<td>• Econometrics I and II</td>
<td>• Advanced Financial Economics</td>
</tr>
<tr>
<td>• Introduction to Macroeconomics</td>
<td>• Financial Economics</td>
<td>• Advanced International Trade Theory</td>
</tr>
<tr>
<td></td>
<td>• Labour Economics</td>
<td>• Advanced Public Economics</td>
</tr>
<tr>
<td></td>
<td>• Macroeconomic Theory</td>
<td>• International Trade Policy</td>
</tr>
<tr>
<td></td>
<td>• Microeconomic Theory</td>
<td>• Numerical Methods in Economics</td>
</tr>
<tr>
<td></td>
<td>• Monetary Economics</td>
<td></td>
</tr>
</tbody>
</table>

"Being an international student, the support that was given to me before joining University of Nottingham was brilliant. The programme goes into great depth and I have really enjoyed the integration of the two subjects where maths has been used to solve economics problems and vice versa."

Paras Shah, BSc Mathematics and Economics
BSc Mathematics and Management

The ability to reason quantitatively and logically is at the heart of many management decisions. This course is designed to equip you with the skills needed to succeed in a wide range of business and management careers. You will receive a broad education in mathematics, which will be integrated with the study of the theory and practice of business management and entrepreneurship.

Key features of the course include:
• being suited to a career in management consultancy or accountancy, or as a City analyst
• the opportunity to study a wide range of topics in mathematics and management
• no requirement to have previously studied management or business studies
• students on this course can apply to spend a semester studying abroad

Year one
In the first year, you will take the core mathematics modules along with modules in Probability and Statistics; management topics include Entrepreneurship and Business.

Year two
Half of the year is devoted to mathematics, consisting of optional modules chosen from a large selection. The other half of the year consists of four compulsory Business School modules and two options from a wide selection.

Year three
In year three, your time will be equally divided between both disciplines with all mathematics modules being optional. In management studies, there are four compulsory modules and two options offered by the Nottingham University Business School (NUBS).

Typical modules for BSc Mathematics and Management (GN12)

<table>
<thead>
<tr>
<th>Year one</th>
<th>Year two</th>
<th>Year three</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core mathematics modules:</td>
<td>Optional mathematics modules include:</td>
<td>Optional mathematics modules include:</td>
</tr>
<tr>
<td>• Analytical and Computational Foundations</td>
<td>• Introduction to Scientific Computation</td>
<td>• Coding and Cryptography</td>
</tr>
<tr>
<td>• Calculus</td>
<td>• Probability Models and Methods</td>
<td>• Game Theory</td>
</tr>
<tr>
<td>• Linear Mathematics</td>
<td>• Statistical Models and Methods</td>
<td>• Mathematical Finance</td>
</tr>
<tr>
<td>Probability and statistics modules:</td>
<td>Management modules:</td>
<td>Applied Statistical Modelling</td>
</tr>
<tr>
<td>• Probability</td>
<td>• Technology and Organisation</td>
<td>• Stochastic Models</td>
</tr>
<tr>
<td>• Statistics</td>
<td>• Marketing Management</td>
<td>• Multivariate Analysis</td>
</tr>
<tr>
<td>Management modules:</td>
<td>• Human Resource Management</td>
<td>Management modules:</td>
</tr>
<tr>
<td>• Business Economics</td>
<td>• Strategic Management:</td>
<td>• Business Ethics</td>
</tr>
<tr>
<td>• Consumers and Markets</td>
<td>Content and Analysis</td>
<td>• Strategic Management</td>
</tr>
<tr>
<td>• Entrepreneurship and Business</td>
<td></td>
<td>• International Business</td>
</tr>
<tr>
<td>• Organisational Behaviour</td>
<td></td>
<td>• Contemporary Developments in</td>
</tr>
</tbody>
</table>

The modules we offer are inspired by the research interests of our staff. As a result modules may change due to research developments or legislative changes, for example. The above list is a sample of typical modules that we offer, not a definitive list.

I visited The University of Nottingham for an open day and was amazed by the campus and the student opportunities that were available. I enjoy the fact that my joint honours degree provides me with problem solving skills and a knowledge of how the markets work.

Loukia Pantelli, BSc Mathematics and Management

For more detailed course content visit
www.nottingham.ac.uk/mathematics
How will I study?

You will learn through a wide variety of activities, including formal lectures, but also small-group tutorials, problem classes and self-directed study.

Lecture-based modules
These modules will form the backbone of your studies in the first year, when you will be taking six modules at any given time. Each module will typically involve two hours of formal lectures per week with another hour devoted to supporting activities such as tutorials, problem classes or computer labs, which adds up to about 18 hours of timetabled activity per week. In later years, you may take fewer, larger modules and you will also have the opportunity to take modules based on activities such as project work.

Self-directed study
Throughout your degree, self-directed study will play a central role in your learning. Timetabled activities, such as lectures, are very important and will introduce you to the key new ideas, but in order to fully understand any mathematical topic, it is important that you spend time thinking about the underlying ideas and trying problems for yourself. Sometimes it will be most appropriate to do this individually, but it can also be very helpful to work in groups or with friends. The recently built Mathematical Sciences Building is ideal for this purpose, offering a number of breakout rooms and common areas in which students can meet and discuss their work.

Peer-assisted study support
Our Peer-Assisted Study Support (PASS) scheme helps first year students make the transition to university. In your first week, you will be introduced to current students in their second, third or fourth year, who will be your PASS Leaders. Then, through regular, timetabled meetings, your PASS Leaders will provide a mentoring role to support you in developing important mathematical skills that will be useful throughout your course. They will also help you settle in and be on hand to offer advice about navigating your way through life at university.

Personal tutor
Throughout your degree you will have a tutor on hand to offer support on matters such as module choice and career direction. Your tutor will meet you in small groups of four to six in the first year to work through the material covered in core modules, and will generally be available to help and advise you with any questions you have.

How will I be assessed?
All undergraduate degree programmes in the university are modular, which means you undertake modules of study with assessment at the end of each semester.

Assessment methods
Lecture-based modules will typically be assessed by an exam at the end of the semester in which they finish. The final mark for these modules may also have a smaller component arising from interim tests or coursework. Some of our optional modules are continuously assessed, typically those based on project work, learning professional skills or gaining teaching experience.

Modules and credits
Modules are self-contained units of study which may run either for a semester or a year. The majority of modules are worth 10 or 20 credits each and you will study modules totalling 120 credits in each year. This system gives you some flexibility in the way you construct your course.

Some modules are compulsory, others are optional. Some modules are prerequisites for others. Your personal tutor will be available throughout your time at Nottingham to advise and guide you through the academic pathways available.
How do I apply?

All applications for an undergraduate place to study at The University of Nottingham, including applications by international students, must be made through the Universities and Colleges Admissions Service (UCAS). Applications should be made online at www.ucas.com and candidates will be notified of decisions through UCAS using UCAS Track.

Your personal statement
This is the section of your UCAS form that tells us most about you, and you should make the best use of it. Be as specific and detailed as you can – we would like to see that you are a student who can work hard, be self-motivated and make the best possible use of the opportunities that our courses offer you. We would also like to hear about any skills you have gained through extracurricular activities.

Flexible admissions policy
We recognise that some educational and personal circumstances affect achievement. If we judge that you have experienced circumstances that have adversely affected your achievement, we will consider them when assessing your academic potential. Some courses may vary the offer as a result. For the most up-to-date information about our offers, please see the entry requirements section of our course pages on our online prospectus. For more information about this policy, please see www.nottingham.ac.uk/ugstudy/applying

Alternative qualifications
In this brochure you will find our A level entry requirements but we accept a much broader range of qualifications.

These include:
- Access to HE Diploma
- Advanced Diploma
- BTEC HND/HNC
- BTEC Extended Diploma
- Cambridge Pre-U
- International Baccalaureate
- Irish Leaving Certificate
- Scottish Advanced Highers
- Welsh Baccalaureate Advanced Diploma

Some of these qualifications, such as BTEC or Welsh Baccalaureate, may be accepted in combination with additional mathematics qualifications at A level or equivalent.

This list is not exhaustive; we will consider applicants with other qualifications on an individual basis. Please contact us to discuss the suitability of your qualification.

Deferred entry
Applicants who wish to defer their entry by a year will not be at a disadvantage. Please tell us something about your plans for your gap year in your UCAS personal statement.

Equal opportunities policy
The University aims to create the conditions whereby students and staff are treated solely on the basis of their merits, abilities and potential, regardless of gender, race, colour, nationality, ethnic or national origin, age, socio-economic background, disability, religious or political beliefs, trade union membership, family circumstances, sexual orientation or other irrelevant distinction.

Over one third of our UK students receive our means-tested core bursary, worth up to £2,000 a year. For details, see www.nottingham.ac.uk/financialsupport

“There is a lot of support in the first year to help people transitioning into university studies. I went to a few drop-in classes with the Teaching Officer to repeat some of the core material at a slower pace. This helped me to gain confidence in how I was tackling the problems class questions, and speaking with friends on the course was really helpful.”

Rachel Penney,
MMath Mathematics
Imagine... landing your dream career

The University of Nottingham is consistently named as one of the most targeted universities by Britain’s leading graduate employers.*

Mathematics is a wide-ranging and versatile subject and the list of careers open to you as a mathematics graduate is extensive. Some graduates make specific use of mathematics while others use the more general skills they have gained, such as analysis and problem solving, high-level numeracy and a capacity to learn independently.

91%
of first-degree graduates in the school who were available for employment had secured work or further study within six months of graduation.**

£23,996
was the average starting salary, with the highest being £40,000.**

Graduate career destinations
The University of Nottingham is one of a small number of leading universities whose graduates are targeted for recruitment by various top companies. Of our graduates entering the employment market directly after graduation, typical recent destinations are:
- financial services (e.g. accountancy, actuarial work, banking)
- IT (e.g. programming, systems analysis, software engineering)
- industrial (e.g. management, research and development, retail)
- government (e.g. civil service, taxation)

Postgraduate research
You might decide to continue your studies at postgraduate level, either here at Nottingham or elsewhere. In previous years, our students have achieved higher degrees in subjects such as mathematics, computing, education and engineering. Each year some of our best students choose to stay at Nottingham and join our lively group of postgraduate research students in the School of Mathematical Sciences.

Our seven research groups – Algebra and Analysis; Industrial and Applied Mathematics; Mathematical Medicine and Biology; Mathematical Physics; Number Theory and Geometry; Scientific Computation; and Statistics and Probability – all offer a large number of diverse and interesting research projects. Please see our website for further details: www.nottingham.ac.uk/mathematics/research

Careers and Employability Service
Our Careers and Employability Service has a team dedicated to Faculty of Science students. They will be on hand to offer you specialist support and guidance throughout your degree and for life after you graduate.

Whether you need help writing a CV, preparing for an interview or exploring career ideas, you can book one-to-one appointments or come along to a workshop. Each term there is also an exciting events schedule, bringing you face-to-face with employers offering real-life insight into their professions. Find out more about the Careers and Employability Service: www.nottingham.ac.uk/careers

The Nottingham Advantage Award
The award-winning Nottingham Advantage Award recognises and rewards your extracurricular activities. With a choice of over 200 modules, you can hone the key skills employers want. From developing your leadership skills and learning a language to public speaking and volunteering, you will leave university with demonstrable experience that sets you apart from other graduates. For further information, please visit www.nottingham.ac.uk/careers/advantage

Find out where Nottingham could take you and network with our graduates on LinkedIn: goo.gl/8IAat1.

** Known destinations of full-time home first degree undergraduates 2014/15.
Salaries are calculated based on those in full-time paid employment within the UK.
Imagine… a world beyond your studies

There’s so much for you to get involved in and explore at the University and around the city. Whether you’re interested in sports, learning a language or just having fun with friends alongside studying, you’ll be spoilt for choice.

Getting involved in your Students’ Union
As soon as you start with us, you are automatically enrolled as a member of our Students’ Union. There are hundreds of activities to provide you with the perfect opportunity to take up a new hobby or pursue existing interests. Choose from over 300 student-run societies – including MathSoc, the society for University mathematical sciences students. Find out more: www.su.nottingham.ac.uk

Exploring your new city
Nottingham city centre is just a 10-minute bus ride away from University Park Campus, so you’re always close to the action. For music lovers, you can take your pick from the world-famous Rock City, Motorpoint Arena or one of the smaller gig venues for a more intimate live show. If you enjoy shopping, there are independent boutiques and vintage shops as well as high street names in our large shopping centres. Nottingham is also a hotspot for dining, with a mix of chain and independent cafes, restaurants and delis on offer. Find out more: www.nottingham.ac.uk/nottinghambusiness

Your new home from home
At Nottingham we offer a wide range of room types on and off campus, in both catered and self-catered accommodation. From standard single rooms with shared bathrooms to large en-suite studios, whatever your budget and preferences, there should be a room to suit you. For a breakdown of pricing and to find out more: www.nottingham.ac.uk/accommodation

Your support network
Throughout your university journey there will be numerous people on hand to support and advise you, including tutors and dedicated staff. We have Student Service Centres on all three of our UK campuses, which provide a range of support, information and specialist services. Find out more: www.nottingham.ac.uk/studentservices

Learn a language
The University’s Language Centre gives you the opportunity to study a language alongside your course. All languages are offered from beginners’ level with some going up to near native competency. The inter-faculty languages programme offers credited modules, which are free for students if taken as part of your credit allocation (check with your course directors before you enrol). There are also evening classes that are open to everyone (fee-paying). Find out more: www.nottingham.ac.uk/languagecentre

Music
All student musicians at The University of Nottingham are encouraged to get involved with the vibrant musical life on campus. Find out more: www.nottingham.ac.uk/music/performance

Sports
The University of Nottingham is one of the UK’s leading universities for sport and is currently ranked 4th in the university sport rankings*. We have one of the biggest portfolios of sports facilities in the country including the brand new £40m David Ross Sports Village. We also have a rich heritage of supporting Olympic medallists and therefore whether you are an elite athlete or simply looking to enjoy sport as a hobby, we can cater for your needs. Find out more: www.nottingham.ac.uk/sport

* British Universities and Colleges Sport Standings, 2015-16.

Your opportunity to study abroad
We offer a range of study abroad opportunities with the majority of students having the option to live and study in another country as part of their university career. Most mathematics courses allow study abroad for one semester, but students who are particularly keen may wish to consider our BSc Mathematics (International Study), which incorporates study abroad for a full year. Studying or working abroad is a fantastic opportunity to broaden your horizons, experience different cultures, and develop the key skills that employers are looking for. Find out more: www.nottingham.ac.uk/studywithus/studyabroad

Find out more about Nottingham life: www.nottingham.ac.uk/nottinghamlife