MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE

Canterbury
ACADEMIC EXCELLENCE AND INSPIRATIONAL TEACHING

New discoveries within mathematics affect not only science but our general understanding of the world. Mathematics provides the theoretical framework for computer science, physical sciences, statistics and data analysis and many financial applications.

Kent’s programmes reflect the diversity of mathematics today, with a wide range of degrees on offer, including Mathematics and Accounting & Finance and Mathematics with Secondary Education.

Or, if you are good at mathematics and curious about financial matters, you may want to consider Actuarial Science. It looks at the management of financial risk, particularly in the financial services industry.

Inspirational teaching

Our teaching staff are at the forefront of their field. Their enthusiasm for the subject can help you to develop the rigorous reasoning and precise expression that’s so central to mathematics.

Known as a friendly and supportive school, we make a point of getting to know our students. Thanks to our wide range of teaching methods – from lectures and example classes to group tutorials, practical computing sessions and peer mentoring – you can get detailed guidance on the way that you approach problems. For further help, you can see lecturers on a one-to-one basis during their office hours.

All of our core actuarial science modules are taught by qualified actuaries with many years’ practical experience in consultancy or the insurance industry.

Professional exemptions

• Graduates in Mathematics and Accounting & Finance may receive exemptions from the Institute of Chartered Accountants examinations.

• Graduates in Mathematics and Statistics may be eligible to receive Graduate Statistician status (GradStat) from the Royal Statistical Society.

• Graduates in Mathematics with Secondary Education (QTS) may gain Qualified Teacher Status (QTS).

• Graduates in Actuarial Science may gain exemptions from eight of the Core Technical subjects (CT1 to CT8) of the professional examinations set by the UK Actuarial profession. This can reduce the time spent qualifying as an actuary by three years or more.

• Graduates from our MMath and MMathStat degrees meet the educational requirements for Chartered Mathematician status, awarded by the Institute of Mathematics and its Applications (IMA). Graduates from our BSc (Hons) degrees may also be able to gain chartered status if they progress on to an accredited Master’s degree.
Year in industry
If you choose one of our three-year degrees, you are able to spend an additional year working on a placement with an industrial or business organisation, either in the UK or abroad. This gives you the chance to put your academic skills into practice and get some paid work experience. It also gives you an idea of your career options and greatly enhances your CV.

Prior experience of working in industry is always popular with employers and some Kent students return to work full-time for their placement company. For more details, see p17.

A global outlook
Kent is known as the UK’s European university and has strong links and partnerships in Europe and around the world. We have students representing 158 nationalities on campus, and 42% of our academics come from outside the UK, which adds an international dimension to your studies.

World-leading research
Our students benefit from the most up-to-date knowledge in the field. In the Research Excellence Framework 2014, 100% of the research submitted was judged to be of international quality. Mathematical sciences at Kent was ranked 25th in the UK for research power.

A successful future
We want you to be able to face the demands of a competitive economic environment. During your study, you develop key transferable skills considered essential for a successful career. For more information on the careers help we provide at Kent, see p8 or www.kent.ac.uk/employability

Independent rankings

School of Mathematics, Statistics and Actuarial Science

Destination of Leavers from Higher Education (DLHE)
- Of Mathematics and Statistics students who graduated from Kent in 2015, 92% were in work or further study within six months.

University of Kent

National Student Survey (NSS) 2016
- 1st in London and the south-east
- 4th highest score for overall student satisfaction

The Guardian University Guide 2018
- 22nd in the UK
Set in 300 acres of parkland, the Canterbury campus is a stunning location where you can benefit from a multicultural learning environment, as well as the University’s first-class facilities.

In 2017, the School moved into a brand new building shared with Kent Business School. It provides an impressive environment with an outside café terrace and inspiring views of woodland from the main teaching and social spaces.

Excellent study resources
The School has excellent teaching resources with integrated audio-visual systems in our classrooms to help provide stimulating lectures.

Mathematics students have access to professional mathematical and statistical software such as Maple, MATLAB and Minitab. Actuarial Science students get practical experience of working with PROPHET, the market-leading actuarial software package, used by commercial companies worldwide for profit testing, valuation and model office work.

The general study resources on campus are also excellent. The Templeman Library has a vast range of publications, including e-books and e-resources. Kent’s expert librarians can help you to make the most of these to find the information you need.

Beautiful green campus
Our campus is set in a stunning location. It has plenty of green and tranquil spaces, both lawns and wooded areas, and is set on a hill with a view of the city and Canterbury Cathedral.

Kent has a reputation for being a very friendly university and everything you need on campus is within walking distance. The campus has its own cinema, theatre, music performance centre and student nightclub. There are many restaurants, cafés and bars on campus and a sports centre and gym. Other facilities include a general store, a bookshop, a bank and cash machines, a music performance centre, a medical centre and a pharmacy.

Attractive location
From campus, it’s a 25-minute walk or a short bus-ride into Canterbury, a lovely city with medieval buildings, lively bars and atmospheric pubs, as well as a wide range of shops. The attractive coastal town of Whitstable is also close by and there are sandy beaches further down the coast. London is under an hour away by high-speed train.

“A beautiful city, friendly people and an excellent education – my three years in Canterbury have been fantastic!”

Suraya Rahmat
Mathematics graduate
Andrew Paul is in his final year, studying Mathematics with a Year in Industry.

Why did you choose Kent?
The University is well known for its great maths department, that was the main thing. There is a year in industry programme which can contribute to your degree, which wasn't offered at many other universities. The University of Kent also has great facilities and is set on a lovely green campus.

What is the level of support like in your studies?
The School is very supportive and the induction week was very helpful, particularly getting used to the computer system and finding my way around the library. It was also a great opportunity to meet students and academic staff. All the lecturers are approachable and they are brilliant at responding to emails.

For some modules you have example classes. This is your opportunity to work on questions and put the theory into practice. Postgraduates help to run these classes and can give you support if you’re having problems. They won’t tell you the answer, but they’ll give you a hint to help you find a solution.

What part of your studies have you enjoyed the most so far?
My favourite would have to be calculus, looking at different methods. I love learning how to solve different types of differential equations. Maths is a much broader subject than you would think. It’s only when you get to university that you realise how many different topics you can study. Doing maths at university is different from A level – it’s not just a progression, it’s a different way of learning.

What are the academic facilities like at Kent?
I’m a big fan of the library. As well as traditional books, there are digital copies you can access free online. One of the best things at the library is the use of free laptops. Kent also has study hubs all over campus.

Where did you work during your year in industry?
I went to EY (Ernst and Young), the third largest accountancy firm in the world. I was paid a good salary and also received a lot of training; I did two accountancy exams while I was there. I also gained many skills – communicating with colleagues; Excel skills; auditing skills and knowledge of the financial industry. At the end of my internship they offered me a job. When I got that phone call I was really happy!

What advice would you offer someone thinking of coming to Kent?
It’s really important to look at several universities to see where you feel most at home. For me, that was definitely Kent. If you have a passion for mathematics, then definitely visit Kent on one of the Open Days. And make sure you ask lots of questions.
A SUCCESSFUL FUTURE

A degree from Kent equips you with the skills to give you a competitive advantage when it comes to getting a job.

Only six months after graduation in 2016, more than 96% of graduates from Kent had found a job or further study opportunity.

Many career paths can benefit from the numerical and analytical skills you develop during one of our mathematics or actuarial science degrees. In recent years, graduates have pursued careers in medical statistics, the aerospace industry, software development, teaching, actuarial work, civil service statistics, chartered accountancy and the oil industry. Others have gone on to do further academic work, including research at postgraduate level and beyond.

In addition, graduates in Financial Mathematics have found employment in banking, insurance, equity and commodity trading.

For those taking Actuarial Science, the UK actuarial profession can provide an influential and well rewarded career path. Graduates have found work in insurance companies and consultancy practices, the Government Actuary’s Department, the London Stock Exchange and other areas of financial management, or have gone on to further study.

Gain transferable skills
Studying for a degree is not just about mastering your subject area. Nowadays, employers are looking for a range of key transferable skills and you are encouraged to develop these within your degree. Dealing with challenging ideas, thinking critically, and the ability to present your ideas clearly are important skills that you gain at Kent. Communication skills, both writing and presenting, are incorporated into all of our degree programmes.

Professional experience
Students who choose to take a year in industry (see p17) often find that this extra experience enhances their job prospects. They gain work experience and new skills, and get an insight into some of the professional pathways available.

A large number of our students also develop professional skills and gain hands-on experience through Kent's wide range of volunteering opportunities.

Careers advice
The award-winning Careers and Employability Service can give you advice on how to choose your future career, how to apply for jobs, how to write a good CV and how to perform well in interviews and aptitude tests. It also provides up-to-date information on graduate opportunities before and after you graduate.

More information
For more information on how we can help you to develop your employability, visit our website at www.kent.ac.uk/employability
Katie McNicholas studied Actuarial Science at Kent and went on to work as an Actuarial Analyst for QBE European Operations.

Why did you choose to come to Kent?
Kent is one of only a handful of universities that offer this course in the UK. I was keen to study this particular degree as it offers exemptions to the professional examinations. This can reduce your time to qualifying as an actuary by about three years.

How did you find studying at Kent?
I enjoy problem solving and working with numbers. It’s also such a useful subject to understand as it opens so many doors for you. But to be really honest, I have always loved maths and couldn’t imagine studying any other subject at university.

The quality of teaching was great at Kent. The lecturers gave you the freedom to learn in ways that suited you best. They were always easy to contact if you needed help. The skills I learned helped me to progress with my studies, as I know what works for me with regard to exam success. During my course, I also learned how to work independently.

What about the social life?
I have made some friends for life at Kent. I would describe my fellow students as friendly and approachable. In the first year, I was a member of the Kent Snow Society and attended the winter tour which was a great experience.

How do the skills you gained help you in your present career?
It gave me the relevant skills and basic knowledge I needed to work in the actuarial profession, in terms of both the technical side of actuarial science and the softer skills of the working environment such as prioritising your workload and hitting deadlines. I definitely use the technical aspects of this knowledge on a day-to-day basis in my current role.

How did you choose your particular career path?
Actuarial Science was quite a specific course to study and so it was a natural progression to look for a job in that area. Talking to lecturers, who had experience working as actuaries themselves, was useful as they were able to give advice and share their personal opinions.

How did your career progress after graduation?
My first job after university was as an Actuarial Analyst in a general insurance company. I am still currently in this role and have been given opportunities to progress within the role over the last two years by teaching new joiners and managing my own projects.

What do you enjoy about your current work or studies?
I enjoy the fact that no two days are the same in my current role. I receive different queries every day so am learning new things all the time. Also, I am given all the necessary support by my company to complete my examinations in order to qualify and progress in my career.

What are your hopes and plans for the future?
I hope to progress in my career to a more senior role with more responsibility.

Any advice for students coming to Kent?
Throw yourself into any opportunities that come your way! The lecture hours are intense, but this is for a good reason – they are interesting and are key to succeeding in this course.
CHOOSING YOUR PROGRAMME

Kent’s degrees reflect the diversity of mathematics today with a full range of programmes on offer.

BSc Actuarial Science
www.kent.ac.uk/ug/7
This three-year full-time programme can get you well on the way to becoming a fully qualified actuary and it is also an excellent foundation for careers in many other areas of finance and risk. The programme is accredited by the UK’s actuarial profession. As well as developing a core understanding of mathematical and statistical methods, the course offers the opportunity to gain exemption from eight of the Core Technical Subjects (CT1 to CT8) of the professional examinations of the Institute and Faculty of Actuaries.

BSc Financial Mathematics
www.kent.ac.uk/ug/153
This programme, studied over three years, allows students to master general mathematical principles while gaining specialist skills relevant to the financial sector. The first year gives a solid grounding in mathematics, economics, statistics and financial concepts. You then build on these areas and learn more about the applications of mathematics and statistics to financial problems and the skills required. The final year includes project work and a choice of modules, giving you the opportunity to specialise in areas that hold a particular interest for you.

BSc Mathematics
www.kent.ac.uk/ug/161
This three-year programme provides a broad understanding of many areas of mathematics, which makes it a good base for many careers. You can choose options to specialise in pure mathematics or applied mathematics; the modules offered reflect the research interests of the lecturers.

BSc Mathematics and Statistics
www.kent.ac.uk/ug/164
This programme, studied over three years, is for students who want to specialise in statistics, perhaps with a view to a career as a statistician. Graduates in Mathematics and Statistics may be eligible to receive Graduate Statistician status (GradStat) from the Royal Statistical Society as a first step to a career as a Chartered Statistician.

BSc Mathematics and Accounting & Finance
www.kent.ac.uk/ug/205
The study of mathematics provides an excellent basis for the applied techniques of accountancy and finance. In this three-year joint honours programme, you split your studies equally between the two related disciplines. The degree provides various exemptions from the examinations of the Institute of Chartered Accountants. For more details, download the leaflet Accounting & Finance at www.kent.ac.uk/courses/undergraduate/leaflets

MMath Mathematics
www.kent.ac.uk/ug/385
This four-year degree programme is for students who have a desire to gain a broad knowledge of mathematics, to explore a range of real-life applications and develop a deep interest in a particular mathematical topic. It provides you with a broad range of skills that are highly sought after by employers and opens up a variety of careers.

You gain a suitable depth of knowledge to enter postgraduate studies at doctorate level in mathematics and other closely related subjects.

MMathStat Mathematics and Statistics
www.kent.ac.uk/ug/387
This four-year degree is for students who have a strong interest in pursuing a deeper study of mathematics and statistics than would be covered by a three-year degree programme, and who wish to explore a range of real-life applications.

It provides you with a broad range of skills that are highly sought after by employers and opens up a wide variety of career opportunities. You gain a depth of suitable knowledge to enter postgraduate studies at doctorate level in statistics and other closely related subjects.
BSc Mathematics with Secondary Education (QTS)

www.kent.ac.uk/ug/270

This three-year degree is run in partnership with Canterbury Christ Church University. You gain all the skills and knowledge you need to teach mathematics up to A level and gain Qualified Teacher Status (QTS) as well as a degree.

Foundation degrees

Our four-year foundation degree programmes are for students who do not have enough experience to go directly into degree-level studies. Overseas students who also need to improve their English can do a foundation programme that includes language tuition.

Mathematics with a Foundation Year

This programme covers the mathematical skills you need to enter Stage 1 of our mathematics degrees.

Actuarial Science with a Foundation Year

This programme covers the skills you need to enter Stage 1 of our Actuarial Science degree.

Year in industry

On all of our three-year degree programmes, except Mathematics with Secondary Education, you may choose to spend an additional year working on a placement with an industrial or business organisation. This allows you to hone your theoretical skills by applying them to real-life situations. It also gives you a clearer idea of career options and greatly enhances your CV.

The year in industry takes place between your second and final years of full-time study and counts towards your final degree result. A Placement Officer is on hand to assist you before and throughout your placement. See p17 for details.
YOUR STUDY PROGRAMME

Your studies are divided into three stages, each equivalent to one year of full-time study.

Modules that involve programming or working with computer packages usually include practical sessions. Most modules are assessed by examination and coursework.

Stage 1 represents the first year of full-time study; during this stage, your marks do not count towards your final degree result.

Stages 2 and 3 are your second and third years of full-time study. Your marks at these stages count towards your final degree result.

If you choose to take an MMath or MMathStat degree (rather than a BSc degree) you also complete Stage 4, your fourth year of study.

For a full description of the modules listed, go to www.kent.ac.uk/courses/modules and type in the module code.

Please bear in mind that the range of modules listed within this leaflet is not fixed – new modules are always in development and choices are updated yearly. See www.kent.ac.uk/ug for the most up-to-date information.

BSc/MMath Mathematics

Stage 1
You take:
- Algebraic Methods (MAST4001)
- Applications of Mathematics (MAST4002)
- Linear Algebra (MAST4004)
- Mathematical Methods 1 (MAST4006)
- Mathematical Methods 2 (MAST4007)
- Probability (MAST4009)
- Real Analysis 1 (MAST4010)
- Statistics (MAST4011).

You can choose five of the following modules:
- Applied Statistical Modelling 1 (MAST5001)
- Curves and Surfaces (MAST5002)
- Lagrangian and Hamiltonian Dynamics (MAST5004)
- Mathematical Statistics (MAST5007)
- Number Theory (MAST5008)
- Numerical Methods (MAST5009)
- Ordinary Differential Equations (MAST5012)
- Rings and Fields (MAST5014).
Stage 3
You can choose up to eight of the following modules (taking no more than four statistics modules):

• Applied Bayesian Modelling (MAST6011)
• Applied Statistical Modelling 2 (MAST6012)
• Asymptotics and Perturbation Methods (MAST6041)
• Communicating Mathematics (MAST6703)
• Computational Statistics (MAST6014)
• Discovering and Communicating Mathematics (MAST6704)
• Discrete Mathematics (MAST6015)
• Fluid Dynamics (MAST6016)
• Functions of a Complex Variable (MAST6017)
• Games and Strategy (MAST6018)
• Graphs and Combinatorics (MAST6019)
• Groups and Representations (MAST6020)
• Groups, Knots and Fields (MAST6021)
• Integrable Systems (MAST6022)
• Linear and Nonlinear Waves (MAST6002)
• Mathematics for Music (MAST6023)
• Metric and Normed Spaces (MAST6024)
• Nonlinear Systems and Applications (MAST6044)
• Numerical Solution for Differential Equations (MAST6025)
• Operators and Matrices (MAST6005)
• Orthogonal Polynomials and Special Functions (MAST6026)
• Polynomials in Several Variables (MAST6027)
• Principles of Data Collection (MAST6028)
• Quantum Mechanics (MAST6004)
• Statistical Learning (MAST6029)
• Stochastic Processes (MAST6030)
• Symmetry Methods for Differential Equations (MAST6001)
• Time Series Modelling and Simulation (MAST6031)
• Topology (MAST6032).

You also choose eight modules from the following:

• Algebraic Curves in Nature (MAST7049)
• Applied Algebraic Topology (MAST7051)
• Asymptotics and Perturbation Methods (MAST7041)
• Communicating Mathematics (MAST7703)
• Discrete Mathematics (MAST7015)
• Fluid Dynamics (MAST7016)
• Geometric Integration (MAST7067)
• Graphs and Combinatorics (MAST7019)
• Groups and Representations (MAST7020)
• Groups, Knots and Fields (MAST7021)
• Integrable Systems (MAST7022)

Stage 4
This stage is only for those taking the four-year MMath degree. You take:

• MMath Dissertation (MAST7702).
STUDYING YOUR PROGRAMME (CONT)

**BSc/MMathStat Mathematics and Statistics**

### Stage 1
You take:
- Algebraic Methods (MAST4001)
- Applications of Mathematics (MAST4002)
- Linear Algebra (MAST4004)
- Mathematical Methods 1 (MAST4006)
- Mathematical Methods 2 (MAST4007)
- Probability (MAST4009)
- Real Analysis 1 (MAST4010)
- Statistics (MAST4011).

### Stage 2
You take:
- Applied Statistical Modelling (MAST5001)
- Groups and Symmetries (MAST5003)
- Linear Partial Differential Equations (MAST5005)
- Mathematical Statistics (MAST5007)
- Real Analysis 2 (MAST5013).

You can also choose three of the following modules:
- Curves and Surfaces (MAST5002)
- Langrangian and Hamiltonian Dynamics (MAST5004)
- Ordinary Differential Equations (MAST5012)
- Rings and Fields (MAST5014)
- Statistics for Insurance (MAST5019).

### Stage 3
You take:
- Applied Statistical Modelling 2 (MAST6012)
During the spring term, you take on a project related to mathematics teaching at the University of Kent.

For more details, please go to the Canterbury Christ Church University website at www.canterbury.ac.uk

BSc Financial Mathematics

Stage 1
You take:
- Advances in Statistics (MAST7010)
- Bayesian Statistics (MAST7054)
- Computational Statistics (MAST7014)
- MMathStat Dissertation (MAST7701)
- Probability and Classical Inference (MAST7077)
- Statistical Learning (MAST7029).

You also choose one of the following modules:
- Asymptotics and Perturbation Methods (MAST7041)
- Linear and Nonlinear Waves (MAST7002)
- Symmetry Methods for Differential Equations (MAST7001).

Stage 4
This stage is only for those taking the four-year MM MathStat degree.

BSc Mathematics with Secondary Education (QTS)

This degree is run in partnership with Canterbury Christ Church University. At Stage 1 you take the same modules as students on the BSc Mathematics degree (see p12).

At Stage 2, you continue to study a range of mathematics modules alongside Mathematics students, and also complete a Mathematics Education module at Canterbury Christ Church and get some practical experience of working in a school environment.

During Stage 3, the professional year, you study alongside PGCE students at Canterbury Christ Church and continue to get some practical experience within a school.

You also choose two of the following modules:
- Corporate Finance for Financial Mathematicians (MAST5017)
- Ordinary Differential Equations (MAST5012)

You can also choose up to four modules from the following:
- Communicating Mathematics (MAST6015)
- Functions of a Complex Variable (MAST6017)
- Games and Strategy (MAST6018)
- Graphs and Combinatorics (MAST6019)
- Linear and Nonlinear Waves (MAST6002)
- Nonlinear Systems and Applications (MAST6044)
- Orthogonal Polynomials and Special Functions (MAST6026)
- Polynomials in Several Variables (MAST6027)
- Topology (MAST6032).

CONTINUED OVERLEAF
STUDYING YOUR PROGRAMME (CONT)

- Statistics for Insurance (MACT5019).

**Stage 3**

You take:
- Derivative Markets (MAST6034)
- Financial Econometrics (MAST6040)
- Portfolio Theory and Asset Pricing Models (MAST6033)
- Statistical Learning (MAST6029)
- Stochastic Processes (MAST6030).

You also choose up to three of the following modules:
- Applied Bayesian Modelling (MAST6011)
- Applied Statistical Modelling 2 (MAST6012)
- Communicating Mathematics (MAST6013)
- Computational Statistics (MAST6014)
- Discovering and Communicating Mathematics (MAST6015)
- Discrete Mathematics (MAST6015)
- Games and Strategy (MAST6018)
- Graphs and Combinatorics (MAST6019)
- Mathematics of Financial Derivatives (MACT6035)
- Nonlinear Systems and Applications (MAST6044)
- Numerical Solution of Differential Equations (MAST6025).

**BSc Actuarial Science**

**Stage 1**

You take:
- Business Economics (MA309)
- Financial Mathematics (MA315)
- Linear Mathematics (MAST4005)
- Mathematical Methods 1 (MAST4006)
- Mathematical Methods 2 (MAST4007)
- Probability (MAST4009)
- Statistics (MAST4011).

**Stage 2**

You take:
- Applied Statistical Modelling 1 (MAST5001)
- Contingencies 1 (MA516)
- Corporate Finance for Actuaries (MA527)
- Financial Reports and their Analysis (MA528)
- Mathematical Statistics (MAST5007)
- Statistics for Insurance (MA501)
- Time Series Modelling and Simulation (MA639).

You also choose one of the following:
- Linear Partial Differential Equations (MAST5005)
- Optimisation with Financial Applications (MA5011).

**Stage 3**

You take:
- Actuarial Practice (MA509)
- Contingencies 2 (MA533)
- Financial Modelling (MA539)
- Mathematics of Financial Derivatives (MAST5037)
- Portfolio Theory and Asset Pricing Models (MA5035)
- Stochastic Processes (MA636)
- Survival Models (MA525).

**Degree transfers**

A transfer from Actuarial Science into Financial Mathematics after successfully completing Stage 1 is usually possible without any special requirements.
YEAR IN INDUSTRY

If you choose to do a year in industry, it takes place between Stages 2 and 3.

The year in industry allows you to gain valuable work experience as part of your degree. Students usually work on placement for the entire calendar year.

Study and career benefits
It terms of your future career, a year in industry allows you to evaluate a particular career path and gain knowledge of the working environment. It is very popular with employers, because of the skills you gain in the workplace. If your placement is a success, you may even be offered a job with the same employer after graduation.

The year in industry also provides practical experience that can be put to good use in your final year of study. It gives you a sense of how the theory works in practice and improves your skills in many areas.

Our links with employers
In the past, our students have taken placements with employers such as IBM, government departments such as the Ministry of Defence and HM Revenue & Customs, Goldman Sachs, Deutsche Bank (UK), EY (formerly Ernst & Young) and various management consultancies. The School has established excellent links with these and many other employers.

Finding a placement
Work placements are promoted nationally or by employers letting the School know directly about the positions they have available. Students apply by sending in a CV or application form.

We guide you through the entire process, giving you advice on the placements likely to enhance your career prospects, how to write a successful CV and how to hone your interview skills. Although it can’t be guaranteed, the majority of our students are successful in gaining a placement.

Salary and costs
Salary and holiday entitlements vary according to the employer. However, many students find that they earn enough during their year in industry to be able to save some of their income, and this often helps them in their final year of study at Kent. You pay a reduced tuition fee while away from the University on placement. For details, see www.kent.ac.uk/finance-student/fees

Keeping in touch
Your academic adviser maintains close contact with you during your year away from the University, checking on your progress and paying a visit to your workplace. At the end of your year in industry, your work is assessed by a written report, presentation and supervisor’s evaluation. This contributes 10% to your overall degree mark.
Come to an Open Day or an Applicant Day and see for yourself what it’s like to be a student at the University of Kent.

Open Days
Kent runs Open Days during the summer and autumn. These provide an excellent opportunity for you to discover what it is like to live and study at the University. You can meet academic staff and current students, find out about our courses and attend subject talks, workshops and informal lectures. We also offer tours around the campus to view our sports facilities, the library and University accommodation.

For further information and details of how to book your place, see www.kent.ac.uk/opendays

Applicant Days
If you apply to study at Kent and we offer you a place (or invite you to attend an interview), you will usually be sent an invitation to one of our Applicant Days. You can book to attend through your online Kent Applicant Portal. The Applicant Day includes presentations in your subject area, guided tours of the campus, including University accommodation, and the opportunity to speak with both academic staff and current students about your chosen subject. For further information, see www.kent.ac.uk/visit

Informal visits
You are also welcome to make an informal visit to our campuses at any time. The University runs tours of the Canterbury and Medway campuses throughout the year for anyone who is unable to attend an Open Day or Applicant Day. It may also be possible to arrange meetings with academic staff, although we cannot guarantee this. For more details and to book your place, see www.kent.ac.uk/informal

Self-guided tours
You can explore the Canterbury campus in person or from the comfort of your home. Our self-guided audio tour gives you a real flavour of the campus and you can hear from people who help make Kent such an inspiring place to study – our staff and students. To get started, go to www.kent.ac.uk/courses/visit/informal/audio-tour.html

Alternatively, we can provide you with a self-guided tour leaflet, which includes the main points of interest. For more details and to download a self-guided tour, go to www.kent.ac.uk/informal

More information
If you would like more information on Kent’s courses, facilities or services, please contact us on: T: +44 (0)1227 768896 www.kent.ac.uk/ug

To order another subject leaflet, go to www.kent.ac.uk/courses/undergraduate/leaflets

This brochure was produced in June 2017. The University of Kent makes every effort to ensure that the information contained in its publicity materials is fair and accurate and to provide educational services as described. However, the courses, services and other matters may be subject to change. For the most up-to-date information, see www.kent.ac.uk/ug and for full details of our terms and conditions, see www.kent.ac.uk/termsandconditions

For the University to operate efficiently, it needs to process information about you for administrative, academic and health and safety reasons. Any offer we make to you is subject to your consent to process such information and is a requirement in order for you to be registered as a student. All students must agree to abide by the University rules and regulations at: www.kent.ac.uk/regulations
Location
Canterbury

Award
BSc (Hons), BA (Hons)
MMath, MMathStat

Degree programmes

Single honours
• Mathematics (G100)
• Mathematics with a Year in Industry (G104)
• MMath Mathematics (G103)
• Mathematics and Statistics (GG13)
• Mathematics and Statistics with a Year in Industry (GG1K)
• MMathStat Mathematics and Statistics (GG31)
• Actuarial Science (N323)
• Actuarial Science with a Year in Industry (N324)
• Financial Mathematics (GN13)
• Financial Mathematics with a Year in Industry (NG31)

Joint honours
• Mathematics and Accounting & Finance (GN14)
• Mathematics with Secondary Education (QTS) (G1X1)

Degrees with a Foundation Year
• Mathematics with a Foundation Year (G108)
• Actuarial Science with a Foundation Year (N325)

Candidates who are unable to apply via UCAS should contact the University.

Offer levels
• Mathematics; Financial Mathematics; Mathematics and Statistics: AAB at A level, including Maths, from three A levels; IB Diploma 34 points overall with 17 points at HL, including Mathematics 6 at HL.

• Actuarial Science, MMath Mathematics and MMathStat Mathematics and Statistics: AAA at A level including A in Mathematics. Only one A level in General Studies or Critical Thinking can be accepted. IB Diploma 34 points overall with 17 points at HL, including Mathematics 6 at HL.

• Mathematics with Secondary Education (QTS) (G1X1), please apply to Canterbury Christ Church University, using the UCAS institution code C10.

• Mathematics with a Foundation Year, Actuarial Science with a Foundation Year: minimum of BCC at A level, including B in Mathematics; non-UK qualifications at a level below A levels should have strong results in Mathematics. All applications are considered on an individual basis.

Required subjects
A level Mathematics grade A, including the core syllabus of Pure Mathematics. A level in Use of Mathematics is not accepted.

Year in industry
On all of our three-year programmes (except Mathematics with Secondary Education) you can spend a year working in industry between Stages 2 and 3.

Professional recognition
• Actuarial Science: fully accredited by the UK actuarial profession. It can give exemption from eight of the Core Technical subjects (CT1 to CT8) of the professional examinations set by the UK actuarial profession. Graduates may also get exemption from some of the examinations set by the Chartered Insurance Institute.
• Mathematics and Accounting & Finance: various exemptions from the Institute of Chartered Accountants examinations.
• Mathematics and Statistics: eligible to be considered for Graduate Statistician (GradStat) status of the Royal Statistical Society.
• Mathematics with Secondary Education (QTS): Qualified Teacher Status.

Funding opportunities
Kent offers various scholarships and bursaries. For details see www.kent.ac.uk/ugfunding

Offer levels and entry requirements are subject to change. For the latest information, see www.kent.ac.uk/ug
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www.kent.ac.uk/visit