MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE

Canterbury
MATHEMATICS AT KENT

Mathematics provides the theoretical framework for physical science, statistics and data analysis, and computer science. Kent’s programmes reflect the diversity of maths. You can specialise in Financial Maths or Statistics, study Actuarial Science, take a joint honours in Mathematics and Accounting and Finance, or enrol on one of our two foundation degrees.
WHY STUDY MATHS AT KENT?

Academic support
University is different to school. You need to be self-motivated and well organised to succeed. We help by assigning you an academic adviser and organising peer mentoring. At Stage 1, you have small group tutorials to help you adjust to university study.

Research excellence
You are taught by some of the leading experts in their field. Our academics’ enthusiasm for the subject can help you develop the rigorous reasoning and precise expression that’s so central to mathematics.

Inspirational teaching
Great teachers inspire enthusiasm and provoke debate. Whether they’re lecturing on algebraic methods or leading a discussion on communicating mathematics, our staff are skilled at bringing their subject to life.

Excellent resources
You have access to professional mathematical and statistical software such as Maple and MATLAB and our staff use these packages in their teaching and research. We also have the Templeman Library, with its vast collection of publications and ebooks.

Work in industry
You can choose to spend a year in industry as part of your degree programme, between Stages 2 and 3. You develop essential employability skills and add experience to your CV, giving you a head start in your career.

Career success
We have excellent links with industry – our graduates have gone on to a variety of work including banking and finance, data science, education and software development. You can also get help and advice from our Careers and Employability Service.

Foundation programmes
Our Foundation Year programmes are for students who do not have the grades to go directly onto a degree programme. You spend a year developing your mathematics skills then progress onto your chosen mathematics programme.

Friendly community
You’ll find a friendly and supportive community at Kent. We make a point of getting to know our students and you can see lecturers on a one-to-one basis during their office hours. We also arrange extra activities, such as lectures given by industry speakers.

Lively campus
Kent is a campus university, so everything you need is within walking distance. You can watch a play or film at the Gulbenkian arts centre; dance at The Venue nightclub, keep fit at our sports centre and meet friends at our campus cafés and restaurants.
Professional recognition

Many of our programmes are recognised by professional bodies, giving you a head start in your career. Our Actuarial Science programme offers you the opportunity to gain exemption from six of the Core Principles Subjects of the professional examinations of the Institute and Faculty of Actuaries. Our Maths BSc/MMath programmes meet the educational requirements of the Chartered Mathematician designation, subject to certain conditions. Mathematics and Statistics is accredited by the Royal Statistical Society. See p8-9 for more information on these and other professional exemptions.

Independent rankings

Destinations of Leavers from Higher Education
• Over 95% of Mathematics graduates who responded to the most recent national survey of graduate destinations were in work or further study within six months. (DLHE, 2017)

Research Excellence Framework
• In the most recent research rankings, 97% of research at Kent was found to be of international quality

Teaching Excellence Framework
• Kent was awarded gold, the highest rating, in the UK government’s Teaching Excellence Framework*

This TEF award was issued in June 2017. It lasts up to three years and may be subject to change.
*The University of Kent’s Statement of Findings can be found at www.kent.ac.uk/tef-statement
Niranjana Pillai is in the final year of her Maths BSc

Why did you choose to study maths at degree level?
It’s always been one of my strong subjects, and I like the fact that, for maths, you have a definite answer. At A level you just learn maths on the surface. At university level we look at the proofs: how we got there, how we got the equations.

What was it about the programme at Kent that appealed to you?
One of the main things I wanted when I was looking at universities was somewhere with a dedicated school of maths and Kent has a brilliant School. You get a lot of support and we have really good lecturers.

What have you particularly enjoyed about the programme?
In first year, for my statistics module, I really enjoyed the group work. We were given a data set and we analysed it in whatever way we wanted, which is how you work as a statistician. That helped me understand more about analysis. It’s been one of my favourite aspects of the degree.

What are the other students on your programme like?
You meet people from all over the world, it’s great to understand different cultures. Normally on a maths degree there aren’t many girls, but at Kent there’s a good gender mix. We all help each other because we want everyone to do well.

How well supported do you feel?
In first year, we have tutorials where you can ask your tutor, or academic advisor, any questions you have. There’s also a peer mentoring scheme where students in their final year help second year students.

In third year, you’re expected to go straight to your lecturers with any queries. The system’s set up to make you gradually more comfortable with doing that. In terms of personal support, we have our own student support officer and she’s very approachable.

What do you do when you’re not studying?
I’m a school rep. The School has student reps, who speak to their course mates and get feedback on what’s working well and what could be improved. My job is to speak to the student reps to gather all of that feedback and put that forward in staff meetings.

I’m part of the Canterbury Homeless Outreach society where we distribute food to homeless people. We’re doing every little thing that we can do to help.

What are you planning to do in the future?
I’m thinking about going into statistics, as a statistician or as a data analyst. Computer science areas such as cyber security and artificial intelligence also interest me. There are so many things I could go into, it’s just a matter of choosing.

How have you changed since arriving at Kent?
It’s given me the chance to be independent and to develop all the skills I need like cooking for myself. On the academic side, it’s been a great opportunity to study more in depth a subject that I’m passionate about.

How have you supported since arriving at Kent?
In first year, we have tutorials where you can ask your tutor, or academic advisor, any questions you have. There’s also a peer mentoring scheme where students in their final year help second year students.

In third year, you’re expected to go straight to your lecturers with any queries. The system’s set up to make you gradually more comfortable with doing that. In terms of personal support, we have our own student support officer and she’s very approachable.

What advice would you give to someone about to start the same programme?
For academic advice, I’d say that maths is a really enjoyable subject and it’s very challenging. If you don’t understand something, you need to ask a lecturer or someone who can help you straight away.

You need to know the basics, so focus well during your first year. In terms of university life, everyone’s in the same boat and feeling a bit scared so join societies, be approachable, talk to people and make friends.
Kent's degrees reflect the diversity of mathematics today with a full range of programmes on offer.

Our four-year foundation degree programmes (see facing page) are for students who do not have enough experience to go into degree-level studies.

BSc Actuarial Science
www.kent.ac.uk/ug/7
Actuaries evaluate and manage financial risks, particularly in the financial services industry. If you are good at mathematics, enjoy problem-solving and are interested in financial matters, you should enjoy studying actuarial science.

As well as developing a core understanding of mathematical and statistical methods, this three-year course offers you the opportunity to gain exemption from six of the Core Principles Subjects (CS1, CS2, CM1, CM2, CB1 and CB2) of the professional examinations of the Institute and Faculty of Actuaries. The programme is also an excellent foundation for careers in other areas of finance and risk.

BSc Financial Mathematics
www.kent.ac.uk/ug/153
Our modern world is heavily reliant on financial markets. Financial institutions depend on skilled individuals to manage their portfolios, applying mathematical modelling, statistical analysis and the problem-solving know-how of mathematics graduates. This three-year programme allows you to master general mathematical principles while gaining specialist skills relevant to the financial sector.

This degree meets the educational requirements of the Chartered Mathematician designation, awarded by the Institute of Mathematics and its Applications (IMA), when it is followed by subsequent training and experience in employment to obtain equivalent competencies to those specified by the Quality Assurance Agency (QAA) for taught Master's degrees.

MMath Mathematics
www.kent.ac.uk/ug/385
This four-year programme offers an alternative to the traditional BSc to MSc pathway, offering you the opportunity to take your learning further and explore topics in greater detail. A year of Master's-level study at Stage 4 gives you the opportunity to explore more advanced topics, drawing on the highly-rated research expertise of our academics. This degree meets the educational requirements of the Chartered Mathematician designation, awarded by the Institute of Mathematics and its Applications (IMA).

BSc Mathematics and Statistics
www.kent.ac.uk/ug/164
Mathematics is important to the modern world. All quantitative science, including both physical and social sciences, is based on it. It provides the theoretical framework for physical science, statistics and data analysis as well as data science.

Our three-year programme reflects this diversity and the excitement generated by new discoveries within mathematics.

This degree programme is accredited by the Royal Statistical Society (RSS). Graduates have the opportunity to receive Graduate
Statistician status (GradStat) from the Royal Statistical Society as a first step to a career as a Chartered Statistician.

This degree meets the educational requirements of the Chartered Mathematician designation, awarded by the Institute of Mathematics and its Applications (IMA), when it is followed by subsequent training and experience in employment to obtain equivalent competencies to those specified by the Quality Assurance Agency (QAA) for taught Master’s degrees.

**BA Mathematics and Accounting and 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 joint honours programme, you split your studies between the two related disciplines.

The three-year degree provides exemptions from the examinations of the Institute of Chartered Accountants. For more details, download the leaflet Accounting and Finance at: www.kent.ac.uk/courses/undergraduate/leaflets

**BSc Mathematics with Secondary Education (QTS)**
www.kent.ac.uk/ug/270
On this programme, you gain all the skills and knowledge you need to teach mathematics up to A level and you gain Qualified Teacher Status (QTS) as well as a degree. The three-year degree is delivered jointly with Canterbury Christ Church University.

**Foundation degrees**
Our four-year foundation degree programmes are for students who do not have enough experience to go directly into degree-level studies.

**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 takes place between Stages 2 and 3 (the second and final years) of your degree and 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. While it is your responsibility to find your placement, we have a dedicated placement officer who can help and support you. See p10 for more details.
YOUR YEAR IN INDUSTRY

You have the opportunity to gain experience in the workplace as part of your degree, between Stages 2 and 3. Your placement can be either paid work or an internship.

Study and career benefits
A year in industry gives you the chance to increase your contacts and networks so that you can hit the ground running when you graduate. Your placement employer may even offer you a graduate job.

You can also put your theoretical knowledge into practice, consolidating what you have learned. And your work experience can help you in the final year of your degree too, from helping to improve skills such as planning and timekeeping to clarifying your module choices and future direction.

Our links with employers
Our students have taken placements with employers such as Deloitte, Deutsche Bank, EY (formerly Ernst & Young), IBM, government departments and management consultancies. We have established excellent links with these and many more.

Finding your placement
While it is your responsibility to find a placement, we can give you lots of support. For example by:

- advising you on the placements likely to help your career prospects
- giving you advice on your CV, covering letters and application forms
- helping to prepare you for interviews
- letting you know about placement vacancies when they arise.

Salary and costs
Salary and holiday entitlements for placements vary from employer to employer. All placements are salaried. You pay a reduced tuition fee while you are away from the University on placement. For more information, see: www.kent.ac.uk/finance-student/fees.

Keeping in touch
Your School maintains close contact with you during your year away from the University, checking on your progress and visiting you at work. At the end of your year in industry, your work is assessed through a written report, presentation and your supervisor’s evaluation. This contributes to your overall degree mark.

“The year in industry gives you confidence and develops you as a person. It allows you to come back to university with important skills and a broader mind in general. It’s a fantastic opportunity.”

Mustafa Muharrem
Financial Mathematics with a Year in Industry
YOUR STUDY PROGRAMME

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

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 degree (rather than a BSc degree) you also complete Stage 4, your fourth year of study.

Please note that on our Financial Mathematics; Mathematics; Mathematics and Statistics; and Mathematics and Accounting and Finance programmes, the modules you can choose at Stage 3 depend on those you have completed at Stage 2.

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

The range of modules listed within this brochure was correct at the time of publication but 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 Actuarial Science

Stage 1
You take:
• Actuarial Practice 1 (MA4513)
• Business Economics (MA309)
• Financial Mathematics (MA4512)
• Linear Mathematics (MA347)
• Mathematical Methods 1 (MA348)
• Mathematical Methods 2 (MA349)
• Probability (MA351)
• Statistics (MA306).

Stage 2
You take:
• Actuarial Mathematics 1 (MA516)
• Applied Statistical Modelling 1 (MA5501)
• Corporate Finance for Actuaries (MA527)
• Financial Reports and their Analysis (MA528)
• Mathematical Statistics (MA5507)
• Statistics for Insurance (MA501)
• Linear Partial Differential Equations (MA5505)
• Optimisation with Financial Applications (MA5511).

Stage 3
You take:
• Actuarial Mathematics 2 (MA533)
• Actuarial Practice 2 (MA6513)
• Financial Economics and Asset and Liability Modelling (MA535)
• Financial Modelling (MA539)
• Mathematics of Financial Derivatives (MA537)
• Stochastic Processes (MA636)
• Survival Models (MA525)
• Time Series Modelling and Simulation (MA639).

CONTINUED OVERLEAF
YOUR STUDY PROGRAMME (CONT)

BSc Financial Mathematics

Stage 1
You take:
• Introduction to Finance (MA345)
• Linear Mathematics (MA347)
• Mathematical Methods 1 (MA348)
• Mathematical Methods 2 (MA349)
• Microeconomics for Financial Mathematicians (MA350)
• Probability (MA351)
• Real Analysis 1 (MA352)
• Statistics (MA306).

You also choose up to three modules from a list which may include the following. You can take either MA6503 or MA6504, not both:
• Applied Bayesian Modelling (MA538)
• Applied Statistical Modelling 2 (MA6512)
• Communicating Mathematics (MA6503)
• Computational Statistics (MA771)
• Discovering and Communicating Mathematics (MA6504)
• Games and Strategy (MA6518)
• Mathematics of Financial Derivatives (MA537)
• Nonlinear Systems and Applications (MA6544)
• Numerical Solution of Differential Equations (MA587).

Stage 2
You take:
• Applied Statistical Modelling 1 (MA5501)
• Linear Partial Differential Equations (MA5505)
• Macroeconomics for Financial Mathematicians (MA5506)
• Mathematical Statistics (MA5507)
• Numerical Methods (MA5509)
• Optimisation with Financial Applications (MA5511).

You also choose two of the following modules:
• Corporate Finance for Financial Mathematicians (MA517)
• Ordinary Differential Equations (MA5512)
• Statistics for Insurance (MA501).

BSc/MMath Mathematics

Stage 1
You take:
• Algebraic Methods (MA343)
• Applications of Mathematics (MA344)
• Linear Algebra (MA346)
• Mathematical Methods 1 (MA348)
• Mathematical Methods 2 (MA349)
• Probability (MA351)
• Real Analysis 1 (MA352)
• Statistics (MA306).

You also choose up to three modules from a list which may include the following. You can take either MA6503 or MA6504, not both:
• Applied Statistical Modelling 1 (MA5501)
• Curves and Surfaces (MA5502)
• Lagrangian and Hamiltonian Dynamics (MA5504)
• Mathematical Statistics (MA5507)
• Number Theory (MA566)
• Numerical Methods (MA5509)
• Ordinary Differential Equations (MA5512)
• Rings and Fields (MA5514).

Stage 2
You take:
• Applied Statistical Modelling 2 (MA6512)
• Asymptotics and Perturbation Methods (MA617)
• Communicating Mathematics (MA6503)
• Computational Statistics (MA771)
• Discovering and Communicating Mathematics (MA6504)
• Discrete Mathematics (MA549)
• Functions of a Complex Variable (MA6517)
• Games and Strategy (MA6518)
• Groups and Representations (MA576)
• Linear and Nonlinear Waves (MA691)
• Mathematics in the World of Finance (MA691)
• Numerical Solution of Differential Equations (MA587)
• Operators and Matrices (MA692)
• Orthogonal Polynomials and Special Functions (MA568)
• Statistical Learning (MA6529)
• Stochastic Processes (MA636).
• Polynomials in Several Variables (MA574)
• Principles of Data Collection (MA6528)
• Quantum Mechanics (MA607)
• Statistical Learning (MA6529)
• Stochastic Processes (MA636)
• Symmetry Methods for
  Differential Equations (MA690)
• Time Series Modelling and
  Simulation (MA639)
• Topology (MA567).

Stage 4
This stage is only for those taking the four-year MMath degree. You take:
• Dissertation for MMath
  Mathematics (MA578).

You also choose six modules from an extensive list that may include the following:
• Algebraic Curves in Nature
  (MA972)
• Applied Algebraic Topology
  (MA964)
• Asymptotics and Perturbation
  Methods (MA871)
• Communicating Mathematics
  (MA7503)
• Graphs and Combinatorics
  (MA995)
• Groups, Knots and Fields
  (MA7521)
• Introduction to Lie Groups and
  Algebras (MA561)
• Linear and Nonlinear Waves
  (MA791)
• Metric and Normed Spaces
  (MA7524)
• Nonlinear Systems and
  Applications (MA7544)
• Polynomials in Several Variables
  (MA7527)
• Topology (MA7532).

BSc Mathematics and
Accounting and Finance

Stage 1
You take:
• Financial Accounting 1 (AC300)
• Linear Mathematics (MA347)
• Mathematical Methods 1
  (MA348)
• Mathematical Methods 2
  (MA349)
• Microeconomics for Business
  (EC313)
• Probability Stage 2 (MA351)
• Statistics (MA306).

Stage 2
You take:
• Macroeconomics for Business
  (EC566)
• Principles of Finance (AC523)
• Linear Partial Differential
  Equations (MA5505).

You also choose four of the
following modules:
• Applied Statistical Modelling 1
  (MA5501)
• Mathematical Statistics (MA5507)
• Number Theory (MA5509)
• Numerical Methods (MA5509)
• Optimisation with Financial
  Applications (MA5511)
• Ordinary Differential Equations
  (MA5512)
• Statistics for Insurance (MA501).

Stage 3
You take:
• Financial Accounting 2 (AC524)

You also choose one module from the following:
• Auditing (AC504)
• Business Finance (AC502)
• Futures and Options (CB611)
• Taxation (CB513).

You can also choose four of the
following modules:
• Applied Bayesian Modelling
  (MA538)
• Communicating Mathematics
  (MA6503)
• Computational Statistics (MA771)
• Discrete Mathematics (MA549)
• Games and Strategy (MA6518)
• Linear and Nonlinear Waves
  (MA691)
• Numerical Solution for Differential
  Equations (MA587)
• Principles of Data Collection
  (MA6528)
• Statistical Learning (MA6529)
• Stochastic Processes (MA636)
• Time Series Modelling and
  Simulation (MA639).

BSc Mathematics
and Statistics

Stage 1
You take:
• Algebraic Methods (MA343)
• Applications of Mathematics
  (MA344)
• Linear Algebra (MA346)
• Mathematical Methods 1 (MA348)
• Mathematical Methods 2 (MA349)
• Probability (MA351)
You also choose up to four modules from a list which may include the following. You can take either MA6503 or MA6504, not both:
- Communicating Mathematics (MA6503)
- Discovering and Communicating Mathematics (MA6504)
- Functions of a Complex Variable (MA6517)
- Games and Strategy (MA6518)
- Graphs and Combinatorics (MA595)
- Linear and Nonlinear Waves (MA691)
- Mathematics in the World of Finance (MA6591)
- Nonlinear Systems and Applications (MA6544)
- Polynomials in Several Variables (MA574)
- Topology (MA567).

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

During the year, 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
Pako Lekoko is in the final year of Actuarial Science with a Year in Industry.

Why did you choose to study actuarial science?
Actuarial science is a bridge between a lot of different subjects that I like: mathematics, finance, economics and business studies. It was a no-brainer when I found out about actuarial science.

What appealed to you about the course at Kent?
I’m on a Top Achiever Scholarship from the government of Botswana and they wanted us to go to top-tier universities. Beyond that, what drove me to Kent was the year in industry option; that and it’s a bit warmer here than at some of the universities up north!

What aspects of your programme have you particularly enjoyed?
I am really enjoying my final year. My year in industry gave me a fresh perspective on what I’m doing here. Three highlights from my final year are: learning about Enterprise Risk Management, Portfolio Theory and Asset Pricing and using Prophet.

Where did you do your year in industry?
My placement was at Deloitte. I did eight months with them in Botswana, one week in South Africa and two months in Leeds.

What did you do during your placement?
In Botswana, I worked across different service lines within Consulting, including Data Analytics, Corporate Finance, Human Capital, and Strategy and Operations. I also headed a social responsibility initiative to supply refurbished IT equipment to Tloaneng Primary School in Botswana in time for a leavers’ victory celebration. That project improved my planning and networking skills.

The Botswana office organised for me to go on the vacation work programme in Johannesburg, so I could meet the actuarial team there. Then, with encouragement from the team in Botswana, I applied for and got a summer internship at Deloitte UK, within the pensions team in the Leeds office.

How has your placement helped you in your final year?
I now approach university work with a “can do” attitude. My work ethic has greatly improved. The year gave me an idea of what I want to focus on when I graduate.

What do you do outside of your studies?
I run three businesses in Botswana. One is called Zaidi, which is a Swahili word that means more, abundance. We source handbags from outside Botswana and bring them into the country, keeping them really exclusive.

The other company is called Optimus Medical Group. I’m a shareholder and director with two other gentlemen. The third is an investment consortium, Gradient Wealth, that I started with a group of friends.

I’m also building a charitable organisation. It’s a mentorship programme for students from Botswana who want to study in other countries across the world.

What are your future plans?
My plan is to be a billionaire philanthropist actuary with multiple businesses! But the first step is doing the KBS MSc Business Analytics programme and getting back into the Consulting industry, at least part-time for now, and continuing to work on my different projects to make them successes.

I would also like to begin my journey toward becoming a Chartered Enterprise Risk Actuary soon.

What advice would you give to other international students about coming to Kent?
First of all, it’s ok to feel like things are out of control and it’s ok to seek help. Reach out to people around you. Make friends. Use the support systems that the university has in place. Don’t be shy to be that person who asks a bunch of questions, keeping quiet is not going to help you. Hold on to the reason you started; it will help you reach the end.
SUPERB STUDY SUPPORT

We’ll support you throughout your time at Kent, from helping you adjust to university study to discussing module choices with you.

You are assigned an academic adviser in your first year, and they help you get the most from your degree programme. They meet with you regularly to discuss general academic issues or specific assignments and can assist you in developing academic skills, referring you to other sources of help if you need it.

Stage 1 tutorials
Throughout Stage 1 of your degree, you will attend small group tutorials aimed at bridging the gap between school and university. During these tutorials you will work as part of a small group of six to ten students exploring and practising the new material with guidance by a member of academic staff.

Peer support
The best advice often comes from people who’ve been in your situation. On our scheme, third-year students act as Academic Peer Mentors for second-year students. They can discuss ideas with you and help you improve your study skills as you progress through your second year.

Study skills advice
Successful students take control of their own learning. Kent’s Student Learning Advisory Service (SLAS) can help you increase your competence and confidence and fulfil your potential. You can request a one-to-one appointment or attend workshops on a diverse range of topics from making the most of lectures to writing well and avoiding plagiarism.

Student support and wellbeing
You might need extra help to get the most from university. If you have a medical condition, specific learning difficulty, mental health condition or disability, the Student Support and Wellbeing team is there to support you.

They are committed to improving access to learning for all students at Kent and can assist with many things, including:
- talking to your lecturers about any help you need in lectures or other classes
- arranging note-takers, signers and other support workers
- discussing exam access arrangements
- helping you with emotional, psychological or mental health issues
- applying for relevant funding to support you.

Find out more at: www.kent.ac.uk/studentsupport
A SUCCESSFUL FUTURE

What do you hope to do once you have your degree? Whether you have a specific career path in mind, or haven’t yet thought much beyond university, we can help you to plan for success in the future.

Build your CV

Your degree studies help you to develop skills such as thinking critically, expressing yourself clearly, solving problems and working both independently and as part of a team. These transferable skills are valued by employers and will also be vital if you go on to further study.

At Kent, you have lots of other great opportunities to enhance your skills. For instance, you could:
- join a society or sports club (even better – get involved in running it)
- volunteer within the community
- work in a part-time job or take up a summer internship
- represent your fellow students as a student rep, or become a student ambassador
- learn a new language or skill with Study Plus.

Getting involved like this means that you can earn Employability Points, which you can exchange for employability rewards. The more points you earn, the more valuable the rewards. We work with local, national and international employers to offer internships, work experience and a range of other activities that prepare you for the world of work.

Experience work

As part of your degree programme, you can find work placements with a range of employers from accountants and consultancy firms to the automotive industry and software sector.

Find a great job

Your degree can lead to a wide range of fascinating careers – our recent graduates have gone on to work in:
- the actuarial industry
- the aerospace industry
- banking and finance
- education
- emerging technologies
- the Government Statistical Service
- medical statistics
- software development and data science
- the pharmaceutical industry.

You can also visit the University’s award-winning Careers and Employability Service for advice. Throughout the year, the service delivers events on the recruitment process (such as CVs, interviews and assessment centres), as well as talks on developing awareness of the opportunities available.

For more information, see: www.kent.ac.uk/ces
Choosing a university is a big step, so it’s important to find out as much as you can before you make your decision.

Open Days
These are a great way to find out what life as a student at Kent is like. For instance, you can:
• learn more about the course you are interested in at a subject presentation
• ask questions – talk to the academic teams at the information stands
• find out about student finance, opportunities to complete a placement as part of your degree and extracurricular activities.

You will be able to explore the campus, visit student accommodation and chat to current students. Open Days are held in the summer and autumn. Book your place at www.kent.ac.uk/opendays

Applicant Days
If you apply to Kent and we offer you a place, you will usually be invited to an Applicant Day. Applicant Days run in the autumn and spring terms and are an opportunity to find out about the course in more detail.

You spend time meeting staff and current students, and take part in activities that give you a flavour of your prospective course and university life.

Informal visits
If you can’t make it to an Open Day or Applicant Day, you can still visit us. We run tours of the campus throughout the year. If you live outside Europe, you might find it difficult to attend our scheduled events, so we can arrange a personal campus tour for you and your family.

Let us know you’re coming
Scheduled tours and personal campus tours (for international students) need to be booked in advance – you can do this via www.kent.ac.uk/informal

Meet us in your country
Our staff regularly travel overseas to meet with students who are interested in coming to Kent.

We also have strong links with agents in your home country who can offer guidance and information on studying at Kent. Find out more at www.kent.ac.uk/courses/international

Self-guided tours
If you prefer to explore on your own, you can download a self-guided walking tour of the campus at www.kent.ac.uk/informal

A self-guided audio tour is available: www.kent.ac.uk/courses/visit/informal/audio-tour.html

Contact us
For more information please contact us on:
T: +44 (0)1227 768896
www.kent.ac.uk/ug
**Location**
Canterbury

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

**Degree programmes**

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

**Joint honours**
- Mathematics and Accounting and 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)

**Typical offer levels**
Mathematics; Financial Mathematics; Mathematics and Statistics; Mathematics and Accounting and Finance: ABB at A level, including Maths at grade A; IB Diploma 34 points overall or 16 points at HL, including Mathematics 6 at HL. If taking both A level Mathematics and A level Further Mathematics: ABC including Mathematics at grade A and Further Mathematics at grade C.

Actuarial Science: AAA at A level including A in Mathematics. IB Diploma 34 points overall or 17 points at HL, including Mathematics 6 at HL. If taking both A level Mathematics and A level Further Mathematics: ABB including Mathematics at grade A and Further Mathematics at grade B.

Mathematics MMath: AAB at A level including Mathematics at grade A. IB Diploma 34 points overall or 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: CCD at A level, including a C in Mathematics. IB Diploma 34 points overall or 13 points at HL including HL Maths at 4 or SL Maths at 4.

Actuarial Science with a Foundation Year: BCC at A level including a B in Mathematics. IB Diploma 34 points overall or 13 points at HL including Mathematics 6 at HL.

**Required subjects**
A level Mathematics grade A.
Use of Mathematics A level is not accepted. Only one of General Studies or Critical Thinking can count as a third A level.

**Access and BTEC Level 3 Extended Diploma/National Diploma**
Candidates with these qualifications are assessed on an individual basis: please contact us for more information.

**Professional recognition:**
please see individual programme entries for information

**Scholarships and bursaries**
Please see www.kent.ac.uk/ugfunding for details of scholarships and bursaries.

**Offer levels and entry requirements are subject to change. For the latest course information, see:**
www.kent.ac.uk/ug
COME AND MEET US

We hold Open Days at our Canterbury and Medway campuses twice a year. For more information, see: www.kent.ac.uk/opendays