

The UK's European university

University of  
**Kent**



# ACTUARIAL SCIENCE WITH A FOUNDATION YEAR

Canterbury

/ Undergraduate  
study

# ACTUARIAL SCIENCE WITH A FOUNDATION YEAR

**If you lack the right qualifications to take our BSc in Actuarial Science, it is possible to gain entry via our foundation programme.**

Actuarial Science with a Foundation Year is designed for students who wish to study Actuarial Science but are applying from a country where secondary education does not reach the level required for direct entry to UK degrees. It is also suitable for those who don't have qualifications in the appropriate subjects, or whose grades are not high enough.

If your first language is not English, the foundation year offers additional classes taught by staff who are specialists in teaching English as a foreign language.

## About the programme

Actuaries evaluate and manage financial risks, particularly in the financial services industry. They form an influential and relatively well-paid profession.

The Actuarial Science degree has been fully accredited by the Institute and Faculty of Actuaries (IFoA). It can give exemption from eight of the Core Technical subjects (CT1 to CT8) of the professional examinations set by the IFoA, and gives a firm foundation for the later subjects.

The entire degree programme (BSc Actuarial Science with a Foundation



Year) takes four years to complete (or five years if you choose to take a year in industry).

## Foundation Year

In the first year (the foundation year), you cover all the mathematical skills required for entry to Stage 1 of the BSc degree programme. Please note that the modules listed below are based on the current curriculum and may change in response to new developments and innovation.

The compulsory modules in the foundation year are as follows:

- Graphs, Geometry and Trigonometry
- Additional Mathematics
- Foundation Statistics
- Calculus for Foundation-Year Mathematics
- Mathematical Workshops
- Academic Skills Development.

International students whose English language skills are below those required for degree-level study also take the module:

- English for Academic Study.

Students who do not need English language tuition, are able to study one of the following modules:

- Introduction to the History of Science
- Introduction to Philosophy: Logic and Reasoning.

## DID YOU KNOW?

The University campus is in Canterbury, only an hour's train journey from London, one of the world's most important financial centres.

## Foundation modules

### Graphs, Geometry and Trigonometry

In this module, you focus on the properties of many functions, including lines, circles and the trigonometric functions. You also apply fundamental results and concepts to real-life situations.

### Additional Mathematics

This module looks at complex numbers, matrices and series, and explores the links between these topics.

### Foundation Statistics

In this module, you learn how probability and statistical techniques are used to study events where chance plays a part.

### Calculus for Foundation-Year Mathematics

This module starts with the basic principles of calculus. You then develop your skills in differentiation and integration, recapping the techniques you have already come across and learning new ones.

### Mathematical Workshops

The main focus of this double module is for you to develop independent study skills. To do this, you bring together methods you have learned in other modules to explore a variety of different topics.

### Academic Skills Development

This module has been designed to help you to develop the skills needed for future academic study.

## Progression to the degree

In order to progress from your foundation year on to Stage 1 of the BSc in Actuarial Science, you need an average overall mark of 60% on your first attempt in your foundation year. You also need marks of at least 60% in two modules: Calculus for Foundation-Year Mathematics, and Foundation Statistics. If you do not reach the required grades, you are still eligible to transfer to another degree in the School of Mathematics, Statistics and Actuarial Science, providing you pass the foundation year.

### Degree-level studies

The degree programme offers a year in industry which all students may apply for. Previous students have taken work placements with companies such as Goldman Sachs, Deutsche Bank (UK) and EY (formerly Ernst & Young).

For more details of what is taught within the degree programme, including our PROPHET training, see the leaflet *Actuarial Science* or go to [www.kent.ac.uk/ug](http://www.kent.ac.uk/ug)

### Funding

Kent offers generous schemes for undergraduate students. For details on eligibility and how to apply, see [www.kent.ac.uk/scholarships](http://www.kent.ac.uk/scholarships)

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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](http://www.kent.ac.uk/regulations)

## Entry requirements

When considering your application, we look at both your qualifications and your potential, as shown, for example, by your personal statement and the comments of your referees.

To take a foundation degree, you need to have an English language standard of 5.5 in IELTS; however please note that these requirements are subject to change. For the latest details, see [www.kent.ac.uk/ems/eng-lang-reqs](http://www.kent.ac.uk/ems/eng-lang-reqs)

### How to apply

Full-time applicants (including international applicants) should apply through the Universities and Colleges Admissions Service (UCAS). The institution code for the University of Kent is K24, and the code name is KENT.

### Further information

#### Subject enquiries

For details on the Actuarial Science degree, contact:  
School of Mathematics, Statistics and Actuarial Science  
T: +44 (0)1227 827181  
E: [smsasugadmissions@kent.ac.uk](mailto:smsasugadmissions@kent.ac.uk)

#### Admissions enquiries

T+44 (0)1227 827272

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[www.kent.ac.uk/visit](http://www.kent.ac.uk/visit)