INTERNATIONAL
MASTER'S IN APPLIED
ACTUARIAL SCIENCE

Canterbury
Specially designed for international students, this two-year, full-time programme covers the fundamentals of actuarial science in the first year and more advanced subjects in the second year.

About the programme
The first year enables you to acquire the core skills and knowledge required by actuaries, and gain exemptions from eight subjects (CT1-CT8) within the Core Technical stage of the examinations of the Institute and Faculty of Actuaries (IFoA). The second year covers more advanced subjects from the Core Applications and Specialist Technical stages of the IFoA examinations. It offers an opportunity to gain exemptions from subjects CA1, CA3, ST2, ST4-ST9 within the Core Applications and Specialist Technical stages of the IFoA examinations. You can also choose an optional Financial Modelling module which prepares you for CA2.

The programme is fully accredited by the Institute and Faculty of Actuaries.

Course content
Year 1:
Financial Mathematics (CT1); Finance and Financial Reporting (CT2); Probability and Statistics for Actuarial Science (CT3); Stochastic Processes (CT4); Survival Models (CT4); Contingencies (CT5); Statistics for Insurance (CT6); Time Series Modelling and Simulation (CT6); Business Economics (CT7); Portfolio Theory and Asset Pricing Models (CT8); Mathematics of Financial Derivatives (CT8); Financial Modelling (including PROPHET – see below).

Year 2
Actuarial Risk Management (CA1)*; Communications (CA3)*; Life Insurance (ST2); Pensions and Other Benefits (ST4); Finance and Investment (ST5); Derivative Securities (ST6); General Insurance: Reserving and Capital Modelling (ST7); General Insurance: Premium Rating (ST8); Enterprise Risk Management (ST9); Financial Modelling (including PROPHET 1 and 2 – see below).

*Compulsory modules

Assessment
Examinations and practically-focused continuous assessment.

PROPHET training
Students have the opportunity to gain practical experience of using PROPHET, the financial services industry’s leading actuarial software package.

Centre for Actuarial Science, Risk and Investment
The Centre for Actuarial Science, Risk and Investment (CASRI) is part of the highly rated School of Mathematics, Statistics and Actuarial Science (SMSAS) at the University of Kent, where actuarial science has been taught for over 30 years. The Centre includes 17 qualified actuaries with many years’ practical experience in insurance and pensions, and has excellent links with the actuarial profession.

Who should apply
Applicants who have a good first degree (upper-second class or above) with a significant mathematical content who are either new to actuarial science or have passed up to three Core Technical (CT) subjects of the IFoA, or equivalent passes from other recognised actuarial bodies. There are English language requirements for this programme. See www.kent.ac.uk/ems/eng-lang-reqs/index.html

Funding
The School has a bursary scheme to support applicants with an exceptional academic record. Additional sources of funding are also available. See our website for details.

How to apply
www.kent.ac.uk/courses/postgrad/apply

Further information

Subject enquiries
T: +44 (0)1227 827181
E: smsaspgadmin@kent.ac.uk
www.kent.ac.uk/casri/programmes/pg-index.html

Admissions enquiries
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Full details of our terms and conditions can be found at: www.kent.ac.uk/termsandconditions