MSc STATISTICS
Canterbury
Large and complex data sets are routinely collected in many disciplines such as genetics, finance and ecology. The MSc in Statistics at Kent has been designed to provide a deep understanding of the modern statistical methods required to model and analyse data.

It provides a suitable preparation for careers as professional statisticians in industry, government and research, and in other fields requiring a strong statistical background. The programme also allows you to develop a range of transferable skills that are attractive to employers within the public and private sectors.

About the programme
The programme provides a thorough grounding in the ideas underlying modern statistical methods and allows you to develop skills in practical data analysis and data modelling. The course also includes training in the computer language R.

You undertake a substantial project in statistics, supervised by an experienced researcher. There is a wide range of projects, from practical, such as the analysis of complex data sets, to theoretical, such as understanding recently developed methods.

Course content
• Advanced Regression Modelling
• Bayesian Statistics
• Computational Statistics
• Practical Statistics and Computing
• Principles of Data Collection
• Probability and Classical Inference
• Two from: Analysis of Large Data Sets; Stochastic Models in Ecology and Medicine; Stochastic Processes and Time Series
• Research Project

The core and optional modules are taught in the autumn and spring terms, with a project undertaken during the summer term.

You choose your research project topic, in consultation with members of staff, from a wide-ranging list of topics, and receive regular supervision from your supervisor(s) while working on your project.

Assessment
Assessment is by a combination of examinations and practically focused continuous assessment.

Course team
The Statistics group at the School of Mathematics, Statistics and Actuarial Science (SMSAS) is highly qualified to lead your advanced study in statistics with a thriving research culture. In the latest Research Assessment Exercise (RAE), we were ranked 8th in the UK for Statistics. Our research work informs our MSc teaching, through lectures, practical work and projects.

Who should apply
Graduates with a second class honours degree or above with at least one year of mathematics at undergraduate level from an accredited UK institution, or equivalent. There are English language requirements for international students.

Funding
The School has established 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/smsas/statistics/courses

Admissions enquiries
T: +44 (0)1227 827272
E: information@kent.ac.uk