MASTER’S IN MANAGEMENT SCIENCE AND BUSINESS ANALYTICS PROGRAMMES

Canterbury
Our MSc programmes in Management Science and Business Analytics equip you with advanced quantitative and qualitative analytical skills that enable you to identify the best course of action in complex business situations to gain the competitive edge.

MSc Management Science

In this programme, emphasis is placed on learning fundamental techniques from the fields of management science and operational research. These include optimisation, simulation, inventory control, queuing theory, statistical analysis, decision support systems and problem-structuring methods among others.

You learn how to apply mathematical models to help solve complex strategic, operational and managerial planning problems in a variety of settings, including transport, manufacturing, supply chains, finance, government and sport.

Course content
- Business Statistics and Database Management
- Consultancy and Research Skills
- Heuristics and Optimisation
- Management Science Modelling
- Simulation and Optimisation Software
- Spreadsheets and Decision Support Systems
- Two modules chosen from: Data Mining and Forecasting; Financial and Management Accounting; Introduction to Logistics and Supply Chain Management; Management of Operations; Managing Complexity: The Systems Approach; Performance Management
- One module drawn from any other Kent Business School Master’s programme
- Dissertation

MSc Business Analytics

The MSc in Business Analytics is less technical than the Management Science MSc programme, but more applied and business oriented. Greater emphasis is placed on data analysis and interpretation, predictive modelling and strategic business modelling.

Course content
- Applied Business Modelling
- Business Statistics and Database Management
- Consultancy and Research Skills
- Data Mining and Forecasting
- Management of Operations
- Management Science Modelling
- Two modules chosen from: Applied Marketing Research; Financial and Management Accounting; Heuristics and Optimisation; Introduction to Logistics and Supply Chain Management; Performance Management; Simulation and Optimisation Software; Warehousing and Transport Management
- One module drawn from any other Kent Business School Master’s programme
- Dissertation

Entry requirements

A good first degree (minimum 2.1 or equivalent) in a quantitative discipline, such as statistics, logistics, mathematics, engineering or any other mathematically based natural science discipline.

If English is not your first language, you will need to provide proof of proficiency.

Career path

Our management science and business analytics graduates are in high demand and go on to become in-house analysts or consultants within industry and the public sector, including financial services, airlines, telecommunications, manufacturing, pharmaceuticals, health care delivery and government.

About the Programme Director

Dr Maria Paola Scaparra is Reader in Management Science. Her research interests include mathematical modelling, network and combinatorial optimisation, location analysis, meta-heuristics, infrastructure and transportation investment planning. Dr Scaparra is a member of the editorial board of the journal International Regional Science Review and of several OR societies (OR, EURO, AIRO, INFORMS).
Kent Business School
We are a world-class business school, combining high-quality research and rigorous teaching with real-world relevance and strong links to the business community.

We continually rank among the top 30 business schools in the UK as confirmed by The Guardian University Guide 2015 and the National Student Survey.

Research excellence
Based on our results in the Research Excellence Framework 2014, business and management at Kent was ranked 25th (out of 101 institutions) in the UK for research intensity by the Times Higher Education. We produce research of international standing and our research activities and collaborations with outside organisations create knowledge that is highly influential in many areas.

Expert teaching
Teaching in the School is informed by the latest research and the changing needs of the global business environment. Our international teaching staff are all experts in their field of study and are regularly published in leading journals worldwide. They guide and support your learning, not only in current best practice in your chosen area of study, but also in emerging new concepts and theories, and the latest business thinking.

Valuable practical experience
We continually work with organisations to provide real business experiences and projects to ensure your employability is maximised. You can attend or take part in regularly hosted events, workshops and seminars with guest lecturers from top organisations, as well as networking opportunities and live projects for companies. Our new Student Implant Scheme offers you the opportunity to work alongside a business during your studies, allowing you to gain valuable corporate experience while putting your learning into practice.

Professional recognition
Kent Business School is a member of the European Foundation for Management Development (EFMD) and the Association of Business Schools (ABS). We have an international reputation for the high standard and quality of our programmes, many of which have received accreditation from leading professional bodies.

Impressive career prospects
Kent has an excellent postgraduate employment record: over 94% of our postgraduate students who graduated in 2013 found a job or further study opportunity within six months.

Whatever your chosen career path, we will equip you with an impressive portfolio of skills, specialist knowledge and practical experience to help you succeed in a competitive environment. For more information on the careers help we provide at Kent, see www.kent.ac.uk/employability

Funding opportunities
Kent provides a variety of financial support opportunities for postgraduate students. For the most up-to-date information, see www.kent.ac.uk/pgfunding

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

Further information
T: +44 (0)1227 827726
E: kbsadmissions@kent.ac.uk

Terms and conditions: the University reserves the right to make variations to the content and delivery of courses and other services, or to discontinue courses and other services, if such action is reasonably considered to be necessary. If the University discontinues any course, it will endeavour to provide a suitable alternative. To register for a programme of study, all students must agree to abide by the University Regulations (available online at: www.kent.ac.uk/regulations).

Data protection: for administrative, academic and health and safety reasons, the University needs to process information about its students. Full registration as a student of the University is subject to your consent to process such information.
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www.kent.ac.uk/visit