University of Essex

DATA SCIENCE AND ANALYTICS AT ESSEX

Modern technologies are constantly changing and reshaping the way we interact with the world and each other. The speed at which individuals, businesses, organisations and governments are generating data is increasing at an unprecedented rate.

Making sense of all this data, deriving new insights and supporting better decisions requires not just new methods and techniques, but also posing smarter questions. We look beyond the hype and focus on the real challenges, opportunities, commercialisation and social use of data.

Our Department of Mathematical Sciences and School of Computer Science and Electronic Engineering recently introduced two new courses: BSc Data Science and Analytics, and MSc Data Science. These courses cover modules from computer science and mathematics, introducing you to a range of mathematics and statistical topics as well as computing skills such as programming, software engineering, databases, data mining, web development, and artificial intelligence.

Our students have gone on to work for high-profile companies such as BT, EDS, IBM, Mondaq, Profusion, Royal Bank of Scotland, Accenture, Google and Force India F1.

Our courses

- BSc Data Science and Analytics
- BSc Mathematics and Statistics
- BSc Mathematics with Computing

Entry requirements

A-levels: BBB, including Mathematics.

Please note we are unable to accept A-level Use of Mathematics in place of A-level Mathematics.

IB: 30 points, including Higher Level Mathematics grade 5.

We are also happy to consider a combination of separate IB Diploma Programmes at both Higher and Standard Level. Please note that Maths in the IB is not required if you have already achieved GCSE Maths at grade C or above.

Work with our industry experts

"Essex is a thriving University, ranked Top 25 overall and fourth for services and facilities spend per student in the UK (Times Good University Guide 2018). Students will be able to enjoy the use of new facilities such as our £13m STEM building and an innovative zero-carbon business school. Our new home, together with our industry partners, will help us to develop our outstanding performance on student employability. Mathematics at Essex recently scored 90% (DLHE 2016) and ranks fourth in the UK (Guardian University Guide 2018) for graduate employability."

Professor Berthold Lausen
Head of the Department of Mathematical Sciences, and President-Elect of the International Federation of Classification Societies (IFCS)

"In the developed world we are surrounded by computational technologies and data all the time, but in developing and transitioning countries these sorts of breakthroughs have not arrived yet. There is a lot of potential to use technology, data science, analytics and the power of big data to help these countries to create sustainable and self-reliant economies."

Professor Maria Fasli
Director of the Institute for Analytics and Data Science (IADS) at Essex, and UNESCO Chair in Analytics and Data Science

"Our School of Computer Science and Electronic Engineering prides itself on the quality of education we provide our students. In particular the applied nature of our courses, and the focus on creativity and imagination, provides an experience proven by our 92% graduate employability score (DLHE 2016), to be just what Industry wants."
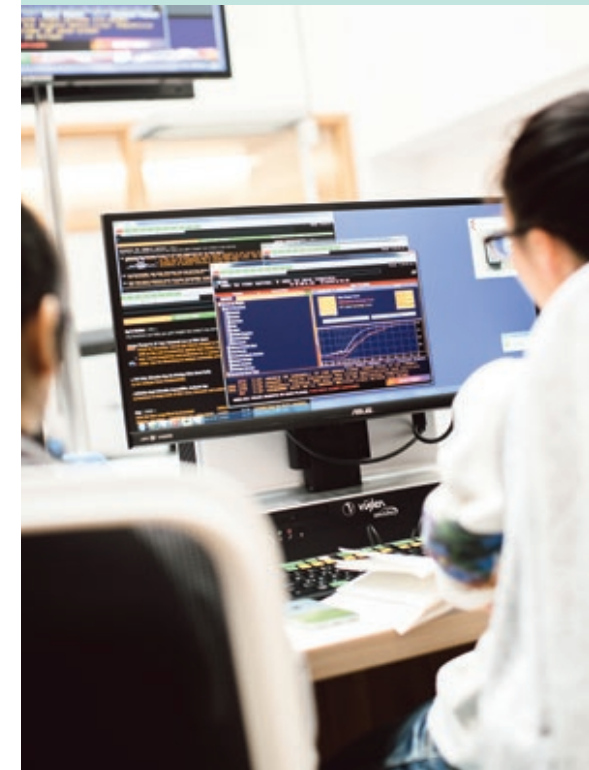
Professor Anthony Vickers
Head of the School of Computer Science and Electronic Engineering

Thinking further ahead

We also offer a broad range of Masters degrees which may interest you in a few years' time.

- MSc Actuarial Science
- MSc Algorithmic Trading
- MSc Applied Economics and Data Analysis
- MSc Big Data and Text Analytics
- MSc Business Analytics
- MSc Computational Economics, Financial Markets and Policy
- MSc Computational Finance
- MSc Data Science
- MSc Economics and Econometrics
- MSc Finance and Data Analytics
- MSc Statistics
- MSc Statistics and Operational Research

Essex offers an Alumni Loyalty Discount, where you can save up to 33% off your Masters degree fee if you study for your undergraduate degree with us.

FIND OUT MORE

Discover our courses on your laptop, phone or tablet.

www.essex.ac.uk/subjects/data-analytics

If you have any questions about our courses or studying at Essex, send us an email, or get in touch via Facebook or Twitter.

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