

The MSc Data Science is a conversion MSc, designed for students from a broad range of disciplines who wish to enhance their skills in data science.

Industry Software: Receive training & instruction in the use of industry standard software and tools such as R/RStudio, SAS, Python, SQL. As well as using these tools you'll learn how to develop your own Apps and tools to develop dashboards using Quarto and Shiny.

Alumni Insights: Regular presentations from industry experts including graduates from the program. Previous speakers have included experts from the Department of Levelling-up, Housing & Communities, IBM, and the I-UG User Group.

Flexible Study: Flexible delivery using a carousel delivery model with six-week modules which run over two days each week. This means that you can structure your studies around your other commitments.

What happens on the course?

The M.Sc. Data Science is broken up into six blocks. Each of four taught blocks includes two 15 credit modules. The two additional blocks comprise the MSc Data Science Dissertation and the potential Industry Internship. The modules available vary from year to year and are reviewed regularly based on the pace of this fast moving sector. Regular modules include:

Data Science

Concepts & Technologies of Artificial Intelligence

Data Visualization

Database Systems & Security

Data Mining & Informatics

Statistics with AI and Data Science

Research Methods

Project Management

In addition to these modules students will be enrolled on a free pre-course induction programme in fundamental mathematics and programming. This induction programme will be available to students all year round and additional support with mathematics and programming will be provided as needed by the expert support team at the University to help you build on their existing knowledge and skills in order to open up career opportunities in Data Science. Data Science is playing an increasingly important role in all aspects of the modern world. From infrastructure and education to healthcare and climate change the importance of data science cannot be overemphasised. There is now a persistent demand for graduates from a variety of backgrounds.