

# Programme MSc in Data Analytics

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## Part time Year 1

### Semester A

#### Compulsory Modules

- MTH794 Probability and Statistics for Data Analytics
- MTH765P Storing, Manipulating, and Visualising Data

### Semester B

#### Elective Modules (pick two)

- MTH6139P Time Series
- MTH741P Digital and Real Asset Analytics
- MTH750P Graphs and Networks
- MTH767P Neural Networks and Deep Learning
- MTH776P Bayesian Statistics
- MTH793P Advanced Machine Learning
- MTH791P Computational Statistics with R
- MTH792P Financial Data Analytics
- MTH782P SAS for Business Intelligence\*
- MTH783P Time Series Analysis for Business\*
- MTH784P Optimisation for Business Processes\*

Students can take at most **2 modules** with a \*

Only one time series module allowed

### Semesters A-B-C

- Start preliminary work on MTH797P MSc Data Analytics Dissertation

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## Part time Year 2

### Semester A

### Semester B

#### Compulsory Module

- MTH786P Machine Learning with Python

#### Elective Modules (select one)

- MTH739P Topics in Scientific Computing
- MTH766P Programming in Python

#### Elective Modules (pick two)

- MTH6139P Time Series
- MTH741P Digital and Real Asset Analytics
- MTH750P Graphs and Networks
- MTH767P Neural Networks and Deep Learning
- MTH776P Bayesian Statistics
- MTH793P Advanced Machine Learning
- MTH791P Computational Statistics with R
- MTH792P Financial Data Analytics
- MTH782P SAS for Business Intelligence\*
- MTH783P Time Series Analysis for Business\*
- MTH784P Optimisation for Business Processes\*

Students can take at most **2 modules** with a \*

Only one time series module allowed

### Semesters A-B-C

- MTH797P MSc Data Analytics Dissertation