Durham University

Durham University
Postgraduate Module Handbook

These programme regulations should be read in conjunction with the University's core regulations for modular taught master's degrees, postgraduate diplomas and postgraduate certificates .

Master of Data Science (G5K823)

1. Location: Durham City
2. Duration: 12 months (full-time)

Programme structure

3. Candidates shall undertake the following modules:

		Credit Value
Data Science Research Project ~	DATA40345	45
Critical Perspectives in Data Science	ANTH40A15	15
Programming for Data Science	COMP42315	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	15
Ethics and Bias in Data Science	PHIL42415	15
Strategic Leadership	BUSI4S115	15

4. Candidates shall also study and be assessed in the following modules in one of the following lists depending on their prior qualifications and experience:

LIST A		**Credit Value**
Introduction to Computer Science	COMP42215	15
Introduction to Mathematics for Data Science	MATH42615	15

LIST B		**Credit Value**
Introduction to Computer Science	COMP42215	15
15 credits from List E		15

LIST C		**Credit Value**
Introduction to Mathematics for Data Science	MATH42615	15
15 credits from List E		15

5. Candidates shall also study and be assessed in modules to the value of 15 credits from list D

List D		**Credit value**
Text Mining and Language Analytics	COMP42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Multilevel Modelling	MATH43515	15

6. Candidates taking modules in either List B or List C shall also study and be assessed in 15 credits taken from the following modules from List E subject to timetabling compatibility:

LIST E		**Credit Value**
Data Science Applications in Archaeology and Heritage	ARCH43115	15
Bioinformatics	BIOL50315	15
Text Mining and Language Analytics	COMP42415	15
Qualitative approaches to Digital Humanities	ENGL46015	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Multilevel modelling	MATH43515	15
Models and Methods for Health Data Science	MATH52315	15
Health Informatics and Clinical Intelligence	SOCI59715	15
Computer Music	MUSI43815	15

Timetabling compatibility may change on an annual basis. Not all modules will be available every year. Students will be informed as part of the induction process which modules are available in that year.

Teaching, assessment, progression and award

7. Candidates will be allocated to one of the module sets identified in Lists A to List C as part of the induction process.

8. Teaching on this programme will be delivered in a blended mode with specific elements delivered online by design. The individual module outlines provide further detail of how taught content will be delivered.

9. If a candidate fails a module they may be given the opportunity to resit the relevant assessment(s) before the end of the academic year at a time to be determined by the relevant department.

10. Modules marked with ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.