Durham University
Postgraduate Modules Online
https://apps.dur.ac.uk/faculty.handbook/

These programme regulations should be read in conjunction with the University's core regulations for postgraduate programmes, and the marking and classification conventions for postgraduate programmes.

Master of Data Science (Social Analytics) (G5P423)

1. Location: Durham City
2. Duration: 12 months (full-time)
3. The last intake of students for this programme will be October 2026.

Programme structure

4. Candidates shall undertake the following modules:

		Credit Value
Data Science Research Project ~	DATA40345	45
Full Stack Research Design	SGIA40G15	15
Causal Inference	SGIA40F15	15
Critical Perspectives in Data Science and AI	ANTH40A15	15
Programming for Data Science	COMP42315	15
Introduction to Statistics for Data Science	MATH42715	15

5. 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
15 credits from List F		15

LIST B		**Credit Value**
Introduction to Mathematics for Data Science	MATH42615	15
30 credits from List F		30

LIST C		**Credit Value**
Introduction to Computer Science	COMP42215	15
30 credits from List F		30

LIST D	**Credit Value**
None of the above and 45 credits from List F	45

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

LIST E		**Credit Value**
Machine Learning	MATH42815	15
Computational Social Science	SOCI44115	15
Text Mining and Language Analytics	COMP42415	15

7. Candidates shall also study and be assessed in modules taken from List F to the value of 15 credits for students allocated to List A, or 30 credits for students allocated to List B or List C, or 45 credits for students allocated to List D, subject to timetabling compatibility:

LIST F		**Credit Value**
Text Mining and Language Analytics	COMP42415	15
Multilevel Modelling	MATH43515	15
Ethics of Artificial Intelligence and Data Science	PHIL42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Machine Learning	MATH42815	15
Computational Social Sciences	SOCI44115	15
AI Recommender Systems	COMP42715	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 registration process which modules are available in that year.

Teaching, assessment, progression and award

8. Project reports for DATA 40345 are submitted on 31st August.
9. Candidates will be allocated to one of the module sets identified in Lists A - D as part of the registration process.
10. Modules marked with ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.