

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 (Social Analytics) (G5P423)

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

### Programme structure

3. Candidates shall undertake the following modules:

		<b>Credit Value</b>
Data Science Research Project ~	<a href="#">DATA40345</a>	45
Full Stack Research Design	<a href="#">SGIA40G15</a>	15
Causal Inference	<a href="#">SGIA40F15</a>	15
Critical Perspectives in Data Science and AI	<a href="#">ANTH40A15</a>	15
Programming for Data Science	<a href="#">COMP42315</a>	15
Introduction to Statistics for Data Science	<a href="#">MATH42715</a>	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:

<b>LIST A</b>		<b>Credit Value</b>
Introduction to Computer Science	<a href="#">COMP42215</a>	15
Introduction to Mathematics for Data Science	<a href="#">MATH42615</a>	15
15 credits from List F		15

<b>LIST B</b>		<b>Credit Value</b>
Introduction to Mathematics for Data Science	<a href="#">MATH42615</a>	15
30 credits from List F		30

<b>LIST C</b>		<b>Credit Value</b>
Introduction to Computer Science	<a href="#">COMP42215</a>	15
30 credits from List F		30

<b>LIST D</b>		<b>Credit Value</b>
None of the above and 45 credits from List F		45

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

<b>LIST E</b>		<b>Credit Value</b>
Machine Learning	<a href="#">MATH42815</a>	15
Computational Social Science	<a href="#">SOCI44115</a>	15
Text Mining and Language Analytics	<a href="#">COMP42415</a>	15

6. 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:

<b>LIST F</b>		<b>Credit Value</b>
Strategic Leadership	<a href="#">BUSI4S115</a>	15
Text Mining and Language Analytics	<a href="#">COMP42415</a>	15
Multilevel Modelling	<a href="#">MATH43515</a>	15
Ethics of Artificial Intelligence and Data Science	<a href="#">PHIL42415</a>	15
Data Exploration, Visualization, and Unsupervised Learning	<a href="#">MATH42515</a>	15
Machine Learning	<a href="#">MATH42815</a>	15
Computational Social Sciences	<a href="#">SOCI44115</a>	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**

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