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 (Earth and Environment) (G5P123)

1. Location: Durham City

2. Duration: 12 months (full-time)

3. The last intake of students for this programme was October 2025.

Programme structure

4. Candidates shall undertake the following modules:

		Credit Value
Data Science Research Project ~	DATA40345	45
Data Science Applications in Earth Sciences	GEOL50215	15
Data Analysis in Space and Time	GEOL50315	15
Critical Perspectives in Data Science and AI	ANTH40A15	15
Programming for Data Science	COMP42315	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	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

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

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

LIST D		**Credit Value**
None of the above and 30 credits from List F		30

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

LIST E		**Credit Value**
Text Mining and Language Analytics	COMP42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15

7. Candidates allocated to List B or List C shall also study and be assessed in 15 credits from List F, and candidates allocated to List D shall also study 30 credits from List F:

LIST F		**Credit Value**
Strategic Leadership	BUSI4S115	15
Text Mining and Language Analytics	COMP42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Ethics of Artificial Intelligence and Data Science	PHIL42415	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.

2025 – 2026

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.