

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)

Programme structure

3. Candidates shall undertake the following module:

Research Project ~	DATA40160	Credit Value 60
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4. Candidates shall study and be assessed in the following modules:

		Credit Value
Introduction to Computer Science	COMP42215	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	15
Programming for Data Science	COMP42315	15

5. Candidates shall study and be assessed in the following modules:

		Credit Value
Data Science Tools in Earth Sciences	GEOL50315	15
Data Science Applications in Earth Sciences	GEOL50215	15

6. Candidates shall study and be assessed in 15 credits taken from:

		Credit Value
List A:		
Text Mining and Language Analytics	COMP42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Ethics and Bias in Data Analytics	PHIL42415	15
Strategic Leadership	BUSI4S115	15

7. Candidates shall study and be assessed in 15 credits taken from EITHER

		Credit Value
List B:		
Introduction to Mathematics for Data Science	MATH42615	15

OR

List A (modules not already taken) under the condition that the first degree encompasses the content of MATH42615.

Assessment, progression and award

8. If a candidate fails a module they may be given the opportunity to resit the relevant examination(s) before the end of the academic year at a time to be determined by the Department.
9. Modules marked with a ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.