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 (Earth and Environment) (G5P123)

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
Data Science Applications in Earth Sciences	GEOL50215	15
Data Science Tools in Earth Sciences	GEOL50315	15
Critical Perspectives in Data Science	ANTH40A15	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
Programming for Data Science	COMP42315	15
Introduction to Mathematics for Data Science	MATH42615	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	15

LIST B		**Credit Value**
Introduction to Computer Science	COMP42215	15
Programming for Data Science	COMP42315	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	15
15 credits from List E		15

LIST C		**Credit Value**
Programming for Data Science	COMP42315	15
Introduction to Mathematics for Data Science	MATH42615	15
Introduction to Statistics for Data Science	MATH42715	15
Machine Learning	MATH42815	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

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

LIST E		**Credit Value**
Strategic Leadership	BUSI4S115	15
Text Mining and Language Analytics	COMP42415	15
Data Exploration, Visualization, and Unsupervised Learning	MATH42515	15
Ethics and Bias in Data Analytics	PHIL42415	15

Teaching, assessment, progression and award

7. Candidates will be allocated to one of the module sets identified in Lists A -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.