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.

MSc Scientific Computing and Data Analysis (G5K609)

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

Programme structure

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

		Credit value
Core Ia: Introduction to Machine Learning and Statistics ~	PHYS51915	15
Core Ib: Introduction to Scientific and High Performance Computing ~	PHYS52015	15
Professional Skills	COMP51915	15
Project ~	COMP52060	60

4. Candidates shall also study and be assessed in modules to the value of 30 credits from List A and 45 from List B:

List A:		Credit value
Advanced Statistical and Machine Learning: Foundations and Unsupervised Learning	MATH52015	15
Advanced Statistics and Machine Learning: Regression and Classification	MATH52115	15
Data Acquisition and Image Processing	PHYS52115	15
Performance Engineering and Advanced Algorithms	COMP52315	15
Continuous and Discrete Systems	COMP52215	15

List B:		Credit value
Astrophysics	PHYS51545	45
Particle Physics	PHYS51645	45
Financial Technology: Algorithmic Trading and Market Making in Options	COMP52415	15
Software Development Project *	PHYS51715	15
Financial Mathematics	MATH52230	30

5. Modules marked with * are not available in 2020/21.

Assessment, progression and award

6. Modules Marked with a ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.

7. If a candidate fails a module he/she 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.

8. There is no resit opportunity for the project (COMP52060).

2020-2021