

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 Mathematical Sciences (G1K509)

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

Programme structure

3. Candidates shall study and be assessed in EITHER modules to the value of 120 credits from List 2 OR modules to the value of 100 credits from List 1 and one module chosen from List 1.

	Credit value
List 1	
Codes and Cryptography	MATH30120 20
Decision Theory	MATH30220 20
Differential Geometry	MATH30320 20
Dynamical Systems	MATH30720 20
Galois Theory	MATH30420 20
Mathematical Biology	MATH30920 20
Operations Research	MATH30820 20
Quantum Computing	MATH31020 20
Quantum Mechanics	MATH31120 20
Statistical Methods	MATH30520 20
Topology	MATH30620 20
List 2	
Advanced Quantum Theory	MATH41020 20
Algebraic Topology	MATH41120 20
Analysis	MATH41220 20
Fluid Mechanics	MATH41820 20
General Relativity	MATH40820 20
Geometry	MATH41920 20
Mathematical Finance	MATH40920 20
Number Theory	MATH41620 20
Partial Differential Equations	MATH41720 20
Probability	MATH42120 20
Representation Theory	MATH42220 20
Riemannian Geometry	MATH41320 20
Solitons	MATH41420 20
Statistical Mechanics	MATH42320 20
Topics in Algebra and Geometry	MATH41520 20
Topics in Statistics	MATH42420 20

4. Candidates shall also be assessed in the following module:

	Credit value
Dissertation	MATH51460 60