

These programme regulations should be read in conjunction with the University's [core regulations for undergraduate programmes](#).

### **BSc Mathematics (with Placement) (G108)**

1. This programme is available at Durham City, in a full-time mode of study.

#### **Level 1 (Certificate)**

2. This programme is only available to students admitted initially to the BSc Mathematics (G100) programme (or equivalent). Candidates wishing to transfer to BSc Mathematics (with Placement) (G108) must:
  - a. successfully complete Level 1 of the [BSc Mathematics \(G100\)](#) programme (or equivalent) with an average mark of 55%, and be eligible to progress to Level 2 of the honours programme;
  - b. before the beginning of the first term of Level 2 study, have applied to the Board of Studies in Mathematical Sciences to be admitted to the BSc Mathematics (with Placement) (G\*\*\*) and have had their application provisionally approved by that Board;
  - c. during the first term of Level 2 study, have their application formally approved by that Board upon successful completion of the Mathematical Sciences preparatory placement course.

#### **Level 2 (Diploma)**

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

		<b>Credit value</b>
Complex Analysis II	<a href="#">MATH2011</a>	20
Analysis in Many Variables II	<a href="#">MATH2031</a>	20

4. Candidates shall also study and be assessed in modules to the value of 20 or 40 credits from List A1:

<b>List A1:</b>		<b>Credit value</b>
Statistical Concepts II	<a href="#">MATH2041</a>	20
Numerical Analysis II	<a href="#">MATH2051</a>	20

5. Candidates shall also study and be assessed in modules to the value of 40 or 60 credits from List A2:

<b>List A2:</b>		<b>Credit value</b>
Algebra II	<a href="#">MATH2581</a>	20
Actuarial Mathematics II	<a href="#">MATH2607</a>	10
Elementary Number Theory II	<a href="#">MATH2617</a>	10
Geometric Topology II	<a href="#">MATH2627</a>	10
Mathematical Physics II	<a href="#">MATH2071</a>	20
Mathematical Modelling II	<a href="#">MATH2637</a>	10
Probability II	<a href="#">MATH2647</a>	10
Special Relativity and Electromagnetism II	<a href="#">MATH2657</a>	10

#### **Year 3 (Placement Year)**

6. During the third year candidates shall undertake an approved placement in industry, or in an institution or organisation undertaking research, for 40 weeks.

#### **Level 3 (Degree)**

7. Candidates shall study and be assessed in the following module to the value of 40 credits:

		<b>Credit value</b>
Project III	<a href="#">MATH3382</a>	40

8. Candidates shall study and be assessed in **EITHER** modules to the value of 80 credits from List B **OR** modules to the value of 60 credits from List B and one open 20 credit module chosen from those offered by any other Board of Studies (including appropriate credit-bearing language modules offered by the University's [Centre for Foreign Language Study](#)):

<b>List B2 (2014-2015):</b>		<b>Credit value</b>
Approximation Theory and Solution to Odes III	<a href="#">MATH3081</a>	20
Elliptic Functions III	<a href="#">MATH3221</a>	20
Geometry III	<a href="#">MATH3201</a>	20
Number Theory III	<a href="#">MATH3031</a>	20
Probability III	<a href="#">MATH3211</a>	20
Statistical Mechanics III	<a href="#">MATH3351</a>	20
Topics in Statistics III	<a href="#">MATH3361</a>	20

<b>List B1 (2015-2016):</b>		<b>Credit value</b>
Algebraic Geometry III	<a href="#">MATH3321</a>	20
Analysis III	<a href="#">MATH3011</a>	20
Bayesian Statistics III	<a href="#">MATH3341</a>	20
Continuum Mechanics III	<a href="#">MATH3101</a>	20
General Relativity III	<a href="#">MATH3331</a>	20
Representation Theory III	<a href="#">MATH3371</a>	20
Solitons III	<a href="#">MATH3231</a>	20
Stochastic Processes III	<a href="#">MATH3251</a>	20

<b>List B3:</b>		<b>Credit value</b>
Decision Theory III	<a href="#">MATH3071</a>	20
Differential Geometry III	<a href="#">MATH3021</a>	20
Dynamical Systems III	<a href="#">MATH3091</a>	20
Electromagnetism III	<a href="#">MATH3181</a>	20
Galois Theory III	<a href="#">MATH3041</a>	20
Mathematical Biology III	<a href="#">MATH3171</a>	20
Mathematical Finance III	<a href="#">MATH3301</a>	20
Mathematics Teaching III	<a href="#">MATH3121</a>	20
Operations Research III	<a href="#">MATH3141</a>	20
Partial Differential Equations III	<a href="#">MATH3291</a>	20
Quantum Mechanics III	<a href="#">MATH3111</a>	20
Statistical Methods III	<a href="#">MATH3051</a>	20
Topology III	<a href="#">MATH3281</a>	20

Lists B1 and B2 will be offered in alternate years, List B3 will run in both years.

8. Modules marked with a # must be passed at 40% or above in order to progress to the next Level of the Ordinary degree.