

The Major in Mathematical Physics in the New BSc (2008 intake only)

100 level: 4 subjects

Physics 1 (S1) and Physics 2 (S2)
Or Physics 1: Advanced (S1) and Physics 2: Advanced (S2)

Calculus 2 (S1) and Linear Algebra (S2)
or Mathematics 1 (S1) and Mathematics 2 (S2)

200 level: 6 or 5 subjects

Quantum Physics and Special Relativity (S1), Thermal and Classical Physics (S1), Electromagnetism and Optics (S2),
and
either the pair Real Analysis with Applications (S1 (or S2)), and Vector Calculus (S2 (or S1)),
or the single subject Multivariable & Vector Calculus (S1),
and
either Group Theory with Linear Algebra (S2) or Dynamical Systems and Chaos (S2)

300 level: 4 subjects

Quantum Physics (S1), Complex Analysis (S1), Statistical Physics (S2)
and one of
Metric & Hilbert Spaces (S2) or Geometry (S2) or Partial Differential Equations (S2)