

B.Sc. & B.Sc. (Hons) with Major in Mathematics

Sample Study Plan for Students Admitted in AY2014/15 or AY2015/16

Occasionally certain modules listed below may not be offered in a particular year.

LEVEL	RECOMMENDED MODULES
1000	<ul style="list-style-type: none"> • MA1100 Fundamental Concepts of Mathematics • MA1101R Linear Algebra I • MA1102R Calculus • MA1104 Multivariable Calculus
2000	<ul style="list-style-type: none"> • MA2101/MA2101S Linear Algebra II • MA2108/MA2108S Mathematical Analysis I • MA2202/MA2202S Algebra I • MA2216/ST2131 Probability • One of the following modules: <ul style="list-style-type: none"> – MA2214 Combinatorics and Graphs I – MA2219 Introduction to Geometry
3000	<ul style="list-style-type: none"> • MA3110/MA3110S Mathematical Analysis II • MA3111/MA3111S Complex Analysis I • MA3201 Algebra II • MA3209 Mathematical Analysis III • MA3220 Ordinary Differential Equations • One of the following modules: <ul style="list-style-type: none"> – MA3205 Set Theory – MA3265 Introduction to Number Theory – MA3266 Introduction to Fourier Analysis
4000	<ul style="list-style-type: none"> • MA4199 Honours Project in Mathematics • MA4203 Galois Theory • MA4211 Functional Analysis • MA4262 Measure and Integration • MA4266 Topology • Two of the following modules: <ul style="list-style-type: none"> – MA4207 Mathematical Logic – MA4221 Partial Differential Equations – MA4247 Complex Analysis II – MA4271 Differential Geometry of Curves and Surfaces