

Notes – Further Maths students will study the Mathematics A Level in parallel to this course, please see the separate document for the curriculum for this

There will be some flexibility around the optional modules studied based on the interests of the students on the course

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
12	Core Pure 1 Complex Numbers Argand Diagrams Decision 1 Route Inspection The Travelling Salesperson Problem	Core Pure 1 Matrices Linear Transformations Decision 1 The Simplex Algorithm Linear Programming	Core Pure 1 Proof by Induction Vectors Decision 1 Critical Path Analysis	Core Pure 1 & 2 Series Roots of Polynomials	Core Pure 1 & 2 Further Complex Numbers Series	Core Pure 1 & 2 Methods in Calculus Hyperbolic Functions
13	Core Pure 1 & 2 Polar Coordinates Methods in Differential Equations Volumes of Revolution Modelling with Differential Equations	Core Pure 2 Conic Sections 1 Conic Sections 2 Inequalities The t-formulae	Further Pure 1 Taylor Series Methods in Calculus Numerical Methods	Further Pure 1 Reducible Differential Equations Algorithms Graphs and Networks Algorithms on Graphs Revision Past paper practice	Revision Past paper practice	Exams